

## SENATE MEETING OPEN SESSION AGENDA

April 22, 2020  
3:30 – 5:30 PM  
Blue Jeans Only

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**1.0 Acknowledgement of Territory**

**2.0 S-202004.01**

**Approval of the Agenda †**

Page 1

That the agenda for the April 22, 2020 Open Session of Senate be approved as presented.

† **NOTE:** *The Senate Agenda for the public session consists of two parts, a consent agenda and a regular agenda. The consent agenda contains items that are deemed to be routine or noncontroversial and are approved by the Steering Committee of Senate for placement on that agenda. Any Senator wishing to discuss any item on the consent agenda may ask the Chair of Senate that the item be removed from the consent agenda and placed on the regular agenda. Items removed from the consent agenda will be placed on the regular agenda and dealt with in the order in which they appear on the full agenda. Senators wishing to ask a question regarding an item on the consent agenda, without necessarily removing that item from the consent agenda, are strongly encouraged to direct questions to the Secretary of Senate in advance of the meeting.*

**3.0 Presentation – No Presentation**

**4.0 Approval of the Minutes**

**S-202004.02**

**Approval of the Minutes**

Page 16

That the Minutes for the March 25, 2020 Public Session of Senate be approved as presented.

**5.0 Business Arising**

**6.0 President's Report (10 minutes)**

**Payne**

**7.0 Report of the Provost (5 minutes)**

**Ryan**

**7.1 Academic Re-Structuring**

**8.0 Report of the Registrar (5 minutes)**

**Annear**

**9.0 Question Period (10 minutes)**

**9.1 Written questions submitted in advance**

**9.2 Questions from the floor**

**10.0 S-202004.03**

**Approval of Motions on the Consent Agenda**

**Payne**

That the motions on the consent agenda, except for those removed for placement on the regular agenda, be approved as presented.

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## 11.0 Committee Reports

### 11.1 Senate Committee on Academic Appeals

Hartley

### 11.2 Senate Committee on Academic Affairs

Ryan

Regular **S-202004.04**

**Change(s) to Ethics Review of Research Involving Human Participants Policy**

That the changes to the Ethics Review of Research Involving Human Participants Policy and the associated Terms of Reference and Procedures for the UNBC Research Ethics Board be approved as proposed.

Page 22 Effective date: Upon Approval of Senate

Regular **S-202004.05**

**Course Parking**

That the following list of courses will be parked and removed Undergraduate Academic Calendar.

Page 32 Effective date: April 1, 2020

Page 38 **Executive Summary – Anthropology**

Regular **S-202004.06**

**Program and Course(s) Deletion – Anthropology**

That the deletion of the Anthropology BA Honours program and courses on pages 58,59 and 188 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

Page 39 Effective date: September 2020

Regular **S-202004.07**

**Change(s) to Program Requirements – Major in Anthropology**

That the change to the curriculum requirements to the Major in Anthropology, with the addition of ANTH 102-3, A World of Discovery and ANTH 217-3, Language and Culture as required courses to the lower-division courses, on page 58 2019/2020 PDF undergraduate calendar, be approved as proposed.

Page 42 Effective date: September 2020

Regular **S-202004.08**

**Change(s) to Program Requirements – Anthropology Credit Hours**

That the change to the curriculum requirements, in the number of required credit hours (courses) for a Major in Anthropology changed from 42 to 54 credit hours (14 to 18 courses) on page 58 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

Page 44 Effective date: September 2020

Regular **S-202004.09**

**Change(s) to Program Requirements – Minor in Anthropology – Archaeological Anthropology**

That the changes to the curriculum requirements to the Minor in Anthropology: Archaeological Anthropology be updated to reflect the revised curriculum requirements of seven courses (21 credit hours), consisting of three lower-division courses (9 credit hours) and four upper-division courses (12 credit hours) and the name changed to Minor in Anthropology: Anthropological Archaeology on pages 59-60 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

Page 47 Effective date: September 2020

Regular **S-202004.10**

**Change(s) to Program Requirements – Minor in Anthropology – Biological Anthropology**

That the changes to the curriculum requirements for a Minor in Anthropology: Biological Anthropology to be updated to reflect the revised curriculum requirements of seven courses (21 credit hours), consisting of three lower-division courses (21 credit hours) and four upper-division courses (12 credit hours) on page 60 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

Page 50 Effective date: September 2020

- Regular **S-202004.11**  
**Change(s) to Program Requirements – Minor in Anthropology – General Anthropology**  
 That the changes to the curriculum requirements to the Minor in Anthropology: General Anthropology be updated to reflect the revised curriculum requirements consisting of seven courses (21 credit hours), consisting of three lower-division courses (9 credit hours) and four upper-division courses (12 credit hours) on page 60 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
 Page 53 Effective date: September 2020
- Regular **S-202004.12**  
**Change(s) to Program Requirements – Minor in Anthropology – Sociocultural Anthropology**  
 That the changes to the curriculum requirements to the Minor in Anthropology: Sociocultural Anthropology be updated to reflect the revised curriculum requirements of seven courses (21 credit hours), consisting of three lower-division courses (9 credit hours) and four upper-division courses (12 credit hours) on pages 60-61 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
 Page 56 Effective date: September 2020
- Regular **S-202004.13**  
**New Course Approval – ANTH 313**  
 That the addition of ANTH 313, Plagues and Peoples as a new course in Major in Anthropology, be approved as proposed.  
 Page 59 **Proposed semester of first offering:** September 2020
- Regular **S-202004.14**  
**Change(s) to Program Description - Anthropology**  
 That the changes to the program description for the Major in Anthropology on page 58 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
 Page 64 Effective date: September 2020
- Consent **S-202004.15**  
**Change(s) to Course Title and Description – ANTH 300**  
 That the change to the course title and course description for ANTH 300 from pages 58, 59, 60, 160, and 185 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
 Page 66 Effective date: September 2020
- Consent **S-202004.16**  
**Change(s) to Course Title and Description – ANTH 303**  
 That the change to the course title and course description for ANTH 303 from pages 60 and 185 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
 Page 68 Effective date: September 2020
- Consent **S-202004.17**  
**Change(s) to Course Title and Description – ANTH 310**  
 That the change to the course title and course description for ANTH 310 from pages 58, 59, 60, and 185 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
 Page 70 Effective date: September 2020
- Consent **S-202004.18**  
**Change(s) to Course Title and Description – ANTH 311**  
 That the change to the course title and course description for ANTH 311 from pages 60, 139, and 185 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
 Page 72 Effective date: September 2020
- Consent **S-202004.19**  
**Change(s) to Course Title and Description – ANTH 312**  
 That the change to the course title and course description for ANTH 312 from pages 58, 59, 60, 139, 143, 159, and 186 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
 Page 75 Effective date: September 2020

- Consent **S-202004.20**  
**Change(s) to Course Title and Description – ANTH 400**  
That the change to the course title and course description for ANTH 400 from pages 60 and 186 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
Page 77 Effective date: September 2020
- Consent **S-202004.21**  
**Change(s) to Course Title and Description – ANTH 450**  
That the change to the course title, course description, and credit hours for ANTH 450 from page 188 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
Page 79 Effective date: September 2020
- Consent **S-202004.22**  
**Course Deletion – ANTH 209**  
That the deletion of the ANTH 209 Pacific Ethnography page 184 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
Page 81 Effective date: September 2020
- Consent **S-202004.23**  
**Course Deletion – ANTH 304**  
That the deletion of the ANTH 304 Kinship and Social Organization on pages 60 and 185 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
Page 83 Effective date: September 2020
- Consent **S-202004.24**  
**Course Deletion – ANTH 316**  
That the deletion of the Anthropology courses ANTH 316 The Social Theory and Structure of Contemporary Canadian Society on pages 110, 137 and 186 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
Page 86 Effective date: September 2020
- Consent **S-202004.25**  
**Course Deletion – ANTH 419**  
That the deletion of the Anthropology courses ANTH 419 Political and Legal Anthropology on pages 61, 143 and 187 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.  
Page 89 Effective date: September 2020
- Consent **S-202004.26**  
**Course Deletion – ANTH 619**  
That the deletion of the Anthropology courses ANTH 619 Political and Legal Anthropology on page 93 of the 2019/2020 PDF graduate calendar, be approved as proposed.  
Page 92 Effective date: September 2020
- Regular **S-202004.27**  
**Changes to Program Requirements – Disability Management**  
That the changes to the list of Research Courses and Elective Courses for the Disability Management MA program, on page 52 of the 2019/2020 graduate calendar (PDF), be approved as proposed.  
Page 94 Effective date: September 2020
- Regular **S-202004.28**  
**Changes to Program Requirements – Health Sciences MSc**  
That the changes to the Requirements and list of Additional Course Requirements for the Health Sciences MSc Program, on page 62/63 of the 2019/2020 graduate calendar (PDF), be approved as proposed.  
Page 97 Effective date: September 2020
- Page 100 **Executive Summary – Global and International Studies**
- Consent **S-202004.29**



**Change(s) to Course Preclusions – INTS 407**

That the changes to the course preclusions for INTS 407-3, Global Economy and Development, on page 247 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 101 Effective date: September 2020

**S-202004.30 (Regular)**

**New Course Approval – INTS 425**

That the new course INTS 425-3, Sustainability Problem Solving be approved as proposed.

Page 103 **Proposed semester of first offering:** September 2020

**S-202004.31 (Regular)**

**New Course Approval – INTS 625**

That the new course INTS 625-3, Sustainability Problem Solving be approved as proposed.

Page 108 **Proposed semester of first offering:** September 2020

**S-202004.32 (Regular)**

**New Course Approval – INTS 607**

That the new course INTS 607-3, Global Economy and Development be approved as proposed.

Page 113 **Proposed semester of first offering:** September 2020

**S-202004.33 (Regular)**

**Change(s) to Program Requirements – International Studies**

That the changes to the International Studies (MA Program), on page 68 of the PDF calendar of the 2019/2020 graduate calendar, be approved as proposed.

Page 118 Effective date: September 2020

**S-202004.34**

**Change(s) to Course Description – NURS 619**

That the change to the course description for NURS 619-3 Qualitative Research in Nursing and Health, on page 124 of the 2019/2020 graduate calendar (PDF), be approved as proposed.

Page 123 Effective date: September 2020

**S-202004.35**

**Change(s) to Course Description – NURS 620**

That the changes to the course description for NURS 620-3 Quantitative Research in Nursing and Health, on page 124 of the 2019/2020 graduate calendar (PDF), be approved as proposed.

Page 124 Effective date: September 2020

**S-202004.36**

**Change(s) to Course Description – NURS 703**

That the addition of a major restriction to the NURS 703-3 Health Program Planning, Community Development and Evaluation course description, on pages 124/125 of the 2019/2020 graduate calendar (PDF), be approved as proposed.

Page 127 Effective date: September 2020

**S-202004.37 (Regular)**

**Memorandum of Understanding – Coast Mountain College**

That the Memorandum of Understanding between the University of Northern British Columbia, the College of New Caledonia, and Coast Mountain College be approved as proposed.

Page 129 Effective date: September 2020

Page 161 **Executive Summary – Political Science and Philosophy**

**S-202004.38 (Regular)**

**Change(s) to Program Requirements – Joint Major Economics/Political Science**

That the changes to program requirements for the Joint Major in Economics/Political Science, on page 87 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 162 Effective date: September 2020

**S-202004.39 (Regular)**

**Change(s) to Program Requirements – Joint Major English/Political Science**

That the changes to program requirements for the Joint Major in English/Political Science, on page 101 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 165 Effective date: September 2020

**S-202004.40** (Regular)

**Change(s) to Program Requirements – Joint Major Geography/Political Science**

That the changes to program requirements for the Joint Major in Geography and Political Science, on pages 135-36 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 170 Effective date: September 2020

**S-202004.41** (Regular)

**Change(s) to Program Requirements – Joint Major History/Political Science**

That the changes to program requirements for the Joint Major in History/Political Science, on page 150 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 174 Effective date: September 2020

**S-202004.42** (Regular)

**Change(s) to Program Requirements – Joint Major Global and International Studies/Political Science**

That the changes to program requirements for the Joint Major in Global and International Studies/Political Science, on pages 144-45 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 177 Effective date: September 2020

**S-202004.43** (Regular)

**Change(s) to Program Requirements – Joint Major Political Science/Women's Studies**

That the changes to program requirements for the Joint Major in Political Science/ Women's Studies, on page 172 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 181 Effective date: September 2020

**S-202004.44** (Regular)

**Change(s) to Program Requirements – Major Political Science**

That the changes to program requirements for the Major in Political Science, on page 171 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 185 Effective date: September 2020

**S-202004.45**

**Change(s) to Course Description and Preclusion - PHIL 201**

That the changes to the course description and preclusion for PHIL 201-3, Philosophy of Science, on page 260 of the PDF calendar accessible on the UNBC web page of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 188 Effective date: May 2020

**S-202004.46** (Regular)

**New Course Approval – PSYC 436**

That the new course PSYC 436-3 PSYCHOLINGUISTICS be approved as proposed.

Page 190 **Proposed semester of first offering:** September 2020

**S-202004.47**

**Change(s) to Course Prerequisites/Co-requisites - FSTY 201**

That the changes to the prerequisites or co-requisites for FSTY 201-3 Forest Plant Systems, on page 231 of the 2019-2020 undergraduate calendar be approved as proposed.

Page 194 Effective date: September 2020

**S-202004.48** (Regular)

**New Course Approval – MATH 481**

That the new course in MATHEMATICS, MATH 481–3, Analytic Number Theory, be approved as proposed.

Page 196 **Proposed semester of first offering:** September 2020

**S-202004.49** *(Regular)*

**New Course Approval – MATH 681**

That the new course in MATHEMATICS, MATH 681–3, Analytic Number Theory, be approved as proposed.

Page 200 **Proposed semester of first offering:** September 2020

**S-202004.50** *(Regular)*

**New Course Approval – MATH 740**

That the new course in MATHEMATICS, MATH 740-(1-6) Advanced Topics in Mathematics, be approved as proposed.

Page 204 **Proposed semester of first offering:** September 2020

**S-202004.51** *(Regular)*

**New Course Approval – MATH 436**

That the new course in MATHEMATICS, MATH 436–3, Partial Differential Equations 1, be approved as proposed.

Page 208 **Proposed semester of first offering:** September 2020

**S-202004.52** *(Regular)*

**New Course Approval – MATH 636**

That the new course in MATHEMATICS, MATH 636–3, Partial Differential Equations 1, be approved as proposed.

Page 212 **Proposed semester of first offering:** September 2020

Page 216 **Executive Summary – Environmental Science**

**S-202004.53** *(Regular)*

**Change(s) to Program Requirements – BSc Environmental Science**

That the changes to the program requirements for the BSc Environmental Science on pages 114-115 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 217 **Effective date:** September 2020

**S-202004.54** *(Regular)*

**Change(s) to Program Requirements – Minor in Aquatic Science**

That the changes to the program requirements for the Minor in Aquatic Science on page 115 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 223 **Effective date:** September 2020

**S-202004.55** *(Regular)*

**Change(s) to Program Requirements – Minor in Atmospheric Science**

That the changes to the program requirements for the Minor in Atmospheric Science on page 116 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 226 **Effective date:** September 2020

**S-202004.56** *(Regular)*

**Change(s) to Program Requirements – Minor in Earth Sciences**

That the changes to the program requirements for the Minor in Earth Sciences on page 116 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 229 **Effective date:** September 2020

**S-202004.57** *(Regular)*

**Change(s) to Program Requirements – Minor in Soils and the Environment**

That the changes to the program requirements for the Minor in Soils and the Environment on page 117 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 232 **Effective date:** September 2020

**S-202004.58** *(Regular)*

**Change(s) to Program Requirements – Minor in Environmental Science**

That the changes to the program requirements for the Minor in Environmental Science on page 116-117 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 235 Effective date: September 2020

**S-202004.59** (Regular)

**Change(s) to Calendar Description**

That the meaning of the “ENSC” course prefix change from “Environmental Science and Engineering” to “Environmental Science” on page 220 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 239 Effective date: September 2020

**S-202004.60**

**Change(s) to Course Description and Prerequisites - ENSC 202**

That the changes to the course description and prerequisites for ENSC 202-3 on page 221 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 241 Effective date: September 2020

**S-202004.61**

**Change(s) to Course Description - ENSC 307**

That the changes to the course description for ENSC 307-3 on page 221 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 243 Effective date: September 2020

**S-202004.62**

**Change(s) to Course Description and Prerequisites - ENSC 308**

That the changes to the course description for ENSC 308-3 on page 221 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 245 Effective date: September 2020

**S-202004.63**

**Change(s) to the Course Prerequisites - ENSC 312**

That the changes to the course prerequisites for ENSC 312-3 on page 221 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 247 Effective date: September 2020

**S-202004.64**

**Change(s) to Course Prerequisites - ENSC 325**

That the changes to the course prerequisites for ENSC 325-3 on page 221 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 249 Effective date: September 2020

**S-202004.65**

**Change(s) to Course Prerequisites and Preclusions - ENSC 404**

That the changes to the prerequisites and preclusions for ENSC 404-3 on page 221 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 251 Effective date: September 2020

**S-202004.66**

**Change(s) to Course Prerequisites and Preclusions - ENSC 406**

That the changes to the prerequisites and preclusions for ENSC 406-3 on pages 221-222 in the 2019/2020 undergraduate calendar, be approved as proposed.

Page 253 Effective date: September 2020

**S-202004.67**

**Change(s) to Course Prerequisites and Preclusions - ENSC 607**

That the changes to the prerequisites and preclusions for ENSC 607-3 on pages 109-110 in the 2019/2020 graduate calendar, be approved as proposed.

Page 255 Effective date: September 2020

**S-202004.68**

**Change(s) to Course Description and Prerequisites - ENSC 408**

That the changes to the course description and prerequisites for ENSC 408-3 Storms on page 222 in the 2019/2020 undergraduate calendar, be approved as proposed.

Page 257 Effective date: September 2020

**S-202004.69**

**Change(s) to Course Description and Prerequisites - ENSC 608**

That the changes to the course description and prerequisite for ENSC 608-3 Storms, on page 110 of the 2019/2020 graduate calendar, be approved as proposed.

Page 259 Effective date: September 2020

**S-202004.70**

**Change(s) to Course Prerequisites - ENSC 412**

That the changes to the course prerequisite for ENSC 412-3 Air Pollution, on page 222 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 261 Effective date: September 2020

**S-202004.71**

**Change(s) to Course Description and Prerequisites - ENSC 418**

That the changes to the course description and prerequisite for ENSC 418-3 Environmental Measurement and Analysis, on page 222 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 263 Effective date: September 2020

**S-202004.72**

**Change(s) to Course Description - ENSC 618**

That the changes to the course description for ENSC 618-3 Environmental Measurement and Analysis, on page 110 of the 2019/2020 graduate calendar, be approved as proposed.

Page 265 Effective date: September 2020

**S-202004.73**

**Change(s) to Course Prerequisites - ENSC 435**

That the changes to the course prerequisite for ENSC 435-3 Soil Biological Processes and the Environment, on page 222 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 267 Effective date: September 2020

**S-202004.74**

**Change(s) to Course Prerequisites - ENSC 440**

That the change to the prerequisites for ENSC 440-(2-6) on page 222 of the 2019-2020 undergraduate calendar, be approved as proposed.

Page 269 Effective date: September 2020

**S-202004.75**

**Change(s) to Course Prerequisites - ENSC 450**

That the change to the prerequisites for ENSC 450-3 on page 222 of the 2019-2020 undergraduate calendar, be approved as proposed.

Page 271 Effective date: September 2020

**S-202004.76**

**Change(s) to Course Description, Prerequisites and Preclusions - 452**

That the changes to the course description, the prerequisites and preclusions in the course description for ENSC 452-3 on page 222 of the 2019-2020 undergraduate calendar, be approved as proposed.

Page 273 Effective date: September 2020

**S-202004.77**

**Change(s) to Course Description - ENSC 652**

That the changes to the course description for ENSC 652-3 on page 110 of the 2019-2020 graduate calendar, be approved as proposed.

Page 275 Effective date: September 2020

**S-202004.78**

**Change(s) to Course Description and Preclusions - 454**

That the changes to the course description and preclusions for ENSC 454-3 on page 222 of the 2019-2020 undergraduate calendar, be approved as proposed.

Page 277 Effective date: September 2020

**S-202004.79**

**Change(s) to Course Description - ENSC 654**

That the changes to the course description for ENSC 654-3 on page 110 of the 2019-2020 graduate calendar, be approved as proposed.

Page 279 Effective date: September 2020

**S-202004.80**

**Change(s) to Course Prerequisites - ENSC 498**

That the change to the prerequisites in the course description for ENSC 498-(1-6) on page 223 of the 2019-2020 undergraduate calendar, be approved as proposed.

Page 281 Effective date: September 2020

**S-202004.81**

**Change(s) to Course Prerequisites - 499**

That the change to the prerequisites in the course description for ENSC 499-(1-6) on page 223 of the 2019-2020 undergraduate calendar, be approved as proposed.

Page 283 Effective date: September 2020

**S-202004.82**

**Course Deletion - ENSC 660**

That ENSC 660-3 on page 110 of the 2019-2020 graduate calendar, be deleted as proposed.

Page 285 Effective date: September 2020

**S-202004.83**

**Change(s) to Course Title and Description – GEOG 204**

That the change(s) to the course title and course description for GEOG 204-3 (Introduction to GIS for the Social Sciences) on page 233 of the 2019/2020 graduate / undergraduate calendar, be approved as proposed.

Page 287 Effective date: September 2020

**S-202004.84**

**Change(s) to Course Title and Description – GEOG 300**

That the change(s) to the course title and course description for GEOG 300-3 Geographic Information Systems, on page 234 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 290 Effective date: September 2020

**S-202004.85**

**Change(s) to Course Title and Description – GEOG 413**

That the change(s) to the course title and course description for GEOG 413-3 Advanced GIS, on page 235 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 292 Effective date: September 2020

**S-202004.86** (Regular)

**Change(s) to Program Description and Requirements – Minor GIS**

That the changes to the description and requirements for the Minor in GIS (Geographic Information Systems) on page 140 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 394 Effective date: September 2020

**S-202004.87** (Regular)

**Change(s) to Program Description and Requirements – Major Geography**



That the change(s) to the Major in Geography (BSc) on page 139 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 298 Effective date: September 2020

**S-202004.88** (Regular)

**Change(s) to Program Requirements – Minor Physical Geography**

That the change(s) to the listed requirements for the minor in Physical Geography, on page 141 of the 2019/2020 graduate / undergraduate calendar, be approved as proposed.

Page 300 Effective date: September 2020

**S-202004.89** (Regular)

**Change(s) to Program Requirements – Minor Geomorphology**

That the change(s) to the listed requirements for the minor in Geomorphology, on page 140 of the 2019/2020 graduate / undergraduate calendar, be approved as proposed.

Page 302 Effective date: September 2020

**S-202004.90**

**Change(s) to Course Pre-requisites– GEOG 357**

That the change(s) to the pre-requisites for GEOG 357-3 on page 140 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 304 Effective date: September 2020

**S-202004.91** (Regular)

**Change(s) to Program Requirements – BSc Wildlife and Fisheries**

That the changes to the program requirements for the BSc Wildlife and Fisheries on page 180 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 306 Effective date: September 2020

**S-202004.92** (Regular)

**Change(s) to Program Requirements – Joint Major in Environmental and Sustainability Studies**

That the changes to the program requirements for the Joint Major in Environmental and Sustainability Studies and Political Science, on page 120 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 309 Effective date: September 2020

**S-202004.93** (Regular)

**Change(s) to Program Requirements – BA Nature-Based Tourism Management**

That the changes to the program requirements for the BA in Nature-Based Tourism Management (Diploma Completion), Environment and Society Area of Specialization on page 158 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 311 Effective date: September 2020

**S-202004.94** (Regular)

**Change(s) to Program Requirements – BA Nature-Based Tourism Management, Environment and Society**

That the changes to the program requirements for the BA in Nature-Based Tourism Management, Environment and Society Area of Specialization on page 156 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 313 Effective date: September 2020

**S-202004.95** (Regular)

**Change(s) to Program Requirements – BSc Forest Ecology and Management**

That the changes to the program requirements for the BSc Forest Ecology and Management on page 132 of the 2019/2020 undergraduate calendar, be approved as proposed.

Page 315 Effective date: September 2020

**S-202004.96** (Regular)

**Change(s) to Program Requirements – BSc Conservation Science and Practice, Wildland Conservation and Recreation**



That the changes to the program requirements for the BSc Conservation Science and Practice, Major in Wildland Conservation and Recreation on page 83 of the 2019/20 undergraduate calendar, be approved as proposed.

Page 317 Effective date: September 2020

**S-202004.97** (Regular)

**Change(s) to Program Requirements – BSc Conservation Science and Practice, Landscape Conservation and Management**

That the changes to the program requirements for the BSc Conservation Science and Practice, Major in Landscape Conservation and Management on page 84 of the 2019/20 undergraduate calendar, be approved as proposed.

Page 320 Effective date: September 2020

**S-202004.98** (Regular)

**Change(s) to Program Requirements – BSc (Integrated)**

That the changes to the program requirements for the BSc (Integrated) Coast Mountain College Degree Completion Program on page 57 of the 2019/20 undergraduate calendar, be approved as proposed.

Page 323 Effective date: September 2020

**S-202004.99** (Regular)

**Change(s) to Program Requirements – BA Environmental and Sustainability Studies**

That the changes to the program requirements for the BA in Environmental and Sustainability Studies, on page 118 of the 2019/20 undergraduate calendar, be approved as proposed.

Page 325 Effective date: September 2020

**S-202003.100** (Regular)

**Change(s) to the Calendar - English Requirements**

That the change(s) to the English Requirements on pg. 30 of the 2019-2020 Undergraduate Calendar be approved as proposed.

Page 327 **Effective Date:** April 22, 2020

**11.3 Steering Committee of Senate**

**Payne**

**For Approval:**

**S-202003.101**

Regular **Removal of SCAAF Research Ethics Board (REB) as a Subcommittee**

That the SCAAF Research Ethics Board (REB) be removed as a subcommittee of SCAAF and from the Senate Handbook.

Page 328 Effective date: Upon Approval of Senate

**S202004.102**

Regular **SCAAF Membership**

That the membership of the Senate Committee on Academic Affairs and subsequently the Senate Handbook be approved as proposed in principle.

Page 332 **Effective Date:** In Principle - Upon the Approval of Senate

(NOT to take effect until the five-faculty structure is in place and all revisions are approved to the Senate Handbook)

**S-202004.103**

Regular **SCAD Membership**

That the membership of the Senate Committee on Admissions and Degrees and subsequently the Senate Handbook be approved as proposed in principle.

Page 335 **Effective Date:** In Principle - Upon the Approval of Senate

(NOT to take effect until the five-faculty structure is in place and all revisions are approved to the Senate Handbook)

**11.4 Senate Committee on Nominations**

**For Approval:**

Regular **S-202004.104**

**Recommendation of Senate Committee Members to Senate**

That, on the recommendation of the Senate Committee on Nominations, and barring further nominations from the floor of Senate, the following candidates, who have met all eligibility requirements to serve on Senate committees and Senate Advisory Committees as indicated, be appointed as proposed.

Effective date: Upon Approval of Senate

**For Information:**

**Vacancies**

COMMITTEE	POSITION	TERM EXPIRY DATE
SCS	Faculty Senator	03/31/2023
	Faculty Senator	03/31/2023
SCN	Faculty Senator	03/31/2023
SCAA	Faculty Member – Professional Programs	03/31/2022
	Lay Senator	03/31/2021
SCAD	Faculty Member	03/31/2023
SCAAF	Faculty Senator	03/31/2021
	Graduate Student Senator	08/31/2020
	Regional Senator	03/31/2021
SSAS	Professional Program Faculty Rep (appointed by Provost)	03/31/2020
SCFNAP	Faculty Senator	03/31/2023
	Aboriginal Regional Senator or Aboriginal Lay Senator	03/31/2021
SCSB	Faculty Senator — CASHS	03/31/2023
	Faculty Senator — CSAM	03/31/2023
	Faculty Senator – CSAM	03/31/2023
	Graduate Student	08/31/2020
SCUB	Faculty Senator – CSAM	03/31/2023
	Exempt Staff Representative, appointed by the Exempt Group	
	Graduate Student	08/31/2020
SCSDA	First Nations Student	03/31/2020
	Administrative Staff Member	03/31/2022

**Note:** The symbol "✦" denotes that an appointment by Senate is pending.

**11.5 Senate Committee on Curriculum and Calendar**

**Annear**

**11.6 Senate Committee on Admissions and Degrees**

**Annear**

**S-202004.105**

**Change(s) to Intake Dates – Master of Education Multidisciplinary Leadership Specialization**

That the change to add January as an intake date for the Master of Education Multidisciplinary Leadership Specialization on page 21 in the PDF calendar accessible on the UNBC web page of the 2019-2020 graduate calendar be approved as proposed.

Page 337 Effective date: January 2020

**S-202004.106**

**Change(s) to Calendar – Undergraduate Admissions Requirements**

That the change(s) to the undergraduate admissions requirements by degree group on pages 21 and 22 of the 2019-2020 Undergraduate Academic Calendar be adjusted to allow direct to program admission be approved as proposed.

Page 340 Effective date: September 2020

11.7 Senate Committee on First Nations and Aboriginal Peoples	Ryan
11.8 Senate Committee on Honourary Degrees and Special Forms of Recognition	Payne
11.9 Senate Committee on Scholarships and Bursaries	Annear

**For Information:**

**SCSB20200325.03** *(approved)*

**New Minerva BC Foundation Scholarship**

That the new Terms and Conditions for the Minerva BC Foundation Scholarship be approved.

Page 361 Effective Date: 2020-2021 Academic Year

**SCSB20200325.04** *(approved)*

**New Timberwolves Student Athlete Society Award**

That the new Terms and Conditions for the Timberwolves Student Athlete Society Award be approved

Page 363 Effective Date: 2020-2021 Academic Year

**SCSB20200325.05** *(approved)*

**New Timberwolves Student Athlete Society Athletic Award**

That the new Terms and Conditions for the Timberwolves Student Athlete Society Athletic Award be approved.

Page 365 Effective Date: 2020-2021 Academic Year

**SCSB20200325.06** *(approved)*

**New UNBC Men's Soccer Alumni Award**

That the new Terms and Conditions for the UNBC Men's Soccer Alumni Award be approved.

Page 367 Effective Date: 2020-2021 Academic Year

**SCSB20200325.07** *(approved)*

**New UNBC Mental Health Champions Award**

That the new Terms and Conditions for the UNBC Mental Health Champions Award be approved.

Page 369 Effective Date: 2021-2022 Academic Year

**SCSB20200325.08** *(approved)*

**Revised Canfor Annual Awards**

That the revised Terms and Conditions for the Canfor Annual Awards be approved.

Page 371 Effective Date: 2020-2021 Academic Year

**SCSB20200325.09** *(approved)*

**Revised Canfor Legacy Awards**

That the revised Terms and Conditions for the Canfor Legacy Awards be approved.

Page 374 Effective Date: 2020-2021 Academic Year

**SCSB20200325.10** *(approved)*

**Revised Jack and Mary Wiggin Aboriginal Health Award**

That the revised Terms and Conditions for the Jack and Mary Wiggin Aboriginal Health Award be approved.

Page 377 Effective Date: 2020-2021 Academic Year

**SCSB20200325.11** *(approved)*

**Revised Steadman Family Matching Grant Bursary**

That the revised Terms and Conditions for the Steadman Family Matching Grant Bursary be approved.

Page 380 Effective Date: 2020-2021 Academic Year

**SCSB20200325.13** *(approved)*

**SCSB 2019-2020 Annual Report**

That the SCSB 2019-2020 Annual Report be approved.

Page 382 Effective Date: March 2020

**11.10 Senate Committee on University Budget**

**11.0 Information**

**12.0 Other Business**

**13.0 S-202004.107 (10 minutes)  
Move to the Closed Session**  
That the meeting move to Close Session.

**15.0 S-202004.111  
Adjournment**  
That the Senate meeting be adjourned.



Motion Number (assigned by SCS): S-202004.04

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED MOTION**

**Motion:** That, on the recommendation of the Senate Committee on Academic Affairs, the changes to the Ethics Review of Research Involving Human Participants Policy and the associated Terms of Reference and Procedures for the UNBC Research Ethics Board be approved as proposed.

**Effective Date:** Upon the approval of Senate

**Proposed by:** The Office of Research

**Faculty / Academic Department:**

**Implications for Other Programs / Faculties:** None

**Rationale:**

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.03

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0

**Approved by SCAAF:** April 8, 2020  
Date

\_\_\_\_\_  
Chair's Signature

**For recommendation to**  **, or information of** \_\_\_\_\_ **Senate.**

**Effective Date:****Responsible Executive:** Vice-President, Research**Amends:** Research Involving Human Participants  
Approved by UNBC Senate, 20 Sept 2006**Policy #:**

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**TITLE: ETHICS REVIEW OF RESEARCH INVOLVING HUMAN PARTICIPANTS****Associated Terms of Reference and Procedures: UNBC Research Ethics Board Terms of Reference & Procedures****1. Purpose**

- 1.1. It is the intent of the University of Northern British Columbia (UNBC, referred to as the University) to ensure that all research involving human participants conducted under the University auspice is conducted in accordance with the most current version of the Tri-Council Policy Statement for the Ethical Conduct of Research Involving Humans (the Tri-Council Policy Statement, referred to as TCPS), based on the core ethical principles of:
  - 1.1.1. Respect for Persons – a recognition of the intrinsic value of human beings and the respect and consideration they are due;
  - 1.1.2. Concern for the Welfare of Persons – a requirement of researchers and research ethics boards to aim to protect the welfare of research participants, and in some circumstances, to promote that welfare in view of any foreseeable risks associated with the research; and
  - 1.1.3. Justice – an obligation to treat people fairly and equitably.

**2. Scope**

- 2.1. This policy and its related procedures apply to all research and research-related activity involving human participants, their biological material, and/or data conducted by the University faculty, staff or students; conducted under the auspices of, or in affiliation with the University; or conducted using University equipment, space or resources under the auspices of the University.

**3. Responsibility of the University for Implementation**

- 3.1. The responsibility for implementing and upholding the TCPS is entrusted on behalf of the University by the President to the Vice-President, Research (VPR).
- 3.2. The VPR will establish the Research Ethics Board (REB) to ensure competent independent research ethics review. The VPR is responsible for administrative and operational aspects of the REB. The VPR is responsible for determining ongoing financial and administrative resources that are necessary to enable the REB to fulfill its duties and for ensuring that these resources are provided.
- 3.3. The University delegates the authority to conduct independent ethics review of research involving human participants conducted under the aegis of the University to the REB.

**4. Mandate and Authority of Research Ethics Board**

- 4.1. The mandate of the University Research Ethics Board is to approve, reject, propose modifications to, or terminate any proposed or ongoing research involving human participants that is conducted under the aegis of the University, that is, by their faculty, staff or students, regardless of where the research is conducted, or in affiliation with the University; or conducted using University equipment, space or resources under the auspices of the University, using an independent procedure for ethics review that holds the TCPS as the minimum standard. A REB review applies to the ethical acceptability of the research, ethics approval does not, in itself, constitute authorization for the research to proceed (such reasons may be administrative, regulatory or resource-based in nature).

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- 4.2. Although established by the VPR, the REB is independent in their decision-making. The University shall respect the authority delegated to the REB and may not override an REB decision to reject or approve the ethical acceptability of a research proposal.
  - 4.3. The REB is accountable to the VPR for their research ethics review processes and procedures. The REB is to establish and communicate ethics policies, procedures and maintain the Terms of Reference which accord with the current requirements of the TCPS. In the event of a conflict between the policy and the TCPS, or the Terms of Reference and the TCPS, the TCPS will prevail.
  - 4.4. The REB is to serve the research community as a consultative body and to contribute to education in research ethics.

#### **5. Responsibility of the University Researcher**

- 5.1. The University researcher is responsible for taking appropriate action to determine whether the research that the researcher, their research team or the students under their direction are proposing to undertake constitutes research involving human participants according to this policy and the TCPS.
- 5.2. Approval for a research project involving human participants within the context of this policy and the TCPS must be obtained by the University researcher from the REB before any research activity or research project involving human participants is undertaken, the University facilities or services are used, and/or any funds requiring REB certification are utilized. Failure to maintain compliance with this Policy and pertinent federal, provincial and international guidelines/legislation for the protection of Human Participants and/or failure to conduct research in the manner in which it has been approved by the REB may result in an investigation conducted by the Office of Research and may result in disciplinary action in accordance with the UNBC Integrity in Research and Scholarship Policy.

#### **6. Research Not Requiring Ethics Review**

- 6.1. All research conducted under the aegis of the University involving human participants, except in those excluded categories stipulated in the most current version of the TCPS, requires approval of the REB before the research begins. REB review is not required for the initial exploratory/developmental phase, which may involve contact with individuals or communities intended to establish research partnerships or to inform the design of a research proposal, however, REB review is required before engaging in the actual research.
- 6.2. In situations where researchers believe they are conducting research in an excluded category, they may consult with the Chair of the REB, or delegate, to confirm that this is the case.

#### **7. Ethics Review Agreements**

- 7.1. In order to facilitate collaborative research projects involving researchers, data or participants from more than one institution, and in order to avoid a duplication of efforts with respect to research ethics reviews, the University may enter into agreements to accept reviews undertaken by an external REB, or it may conduct the research ethics review on behalf of other institutional partners.
- 7.2. Prior to entering into an Ethics Review Agreement with another institution, the university shall take into account the manner in which the other institution's research ethics board conducts research ethics reviews; and consult with the Chair of the University REB.
- 7.3. An Ethics Review Agreement may be limited to a specific research project.



## UNBC Research Ethics Board Terms of Reference & Procedures

Policy Authority: Vice-President, Research

Parent Policy: Ethics Review of Research Involving Human Participants

### 1. RESEARCH ETHICS BOARD

The University of Northern British Columbia (UNBC) Research Ethics Board (REB), oversees research involving human participants conducted under the auspices of the University, to ensure that all University research involving human participants is conducted in accordance with the most current version of the Tri-Council Policy Statement for the Ethical Conduct of Research Involving Humans (the Tri-Council Policy Statement, referred to as TCPS).

### 2. PURPOSE

The purpose of the terms of reference and procedures is to outline the structure and appropriate process to ensure that the conduct of research involving human participants, performed under the auspices of the University, follows the highest ethical standards as defined in the Policy.

### 3. DEFINITIONS

- 3.1. **Closure / Conclusion of a Research Project** for research ethics depends on several research project specific factors, including stipulations associated with funding and journal requirements. Normally the research ethics completion date can be when all meaningful contact with the participants is completed (after transcripts have been reviewed, community collaborations completed, any activities that would affect research outcomes are finished) and any activities that would affect research outcomes have ceased. The researcher is still bound to follow the research data management plan as expressed in their ethics application, however the researcher does not have to continue to renew their ethics status.
- 3.2. **Ethics Approval** refers to the research ethics approval granted in accordance with the Policy and its Procedures by the REB for proposed Research Involving Human Participants.
- 3.3. **Human Participants** are those individuals whose data or responses to interventions, stimuli or questions by the researcher are relevant to answering the research question.
- 3.4. **Minimal Risk** refers to research in which the probability and magnitude of possible harms implied by participation in the research is no greater than those encountered by a participant in those aspects of their everyday life that relate to the research.
- 3.5. **Policy** refers to the University policy on the Ethics Review of Research Involving Human Participants.
- 3.6. **Procedures** refers to the Procedures in force with respect to this Policy.
- 3.7. **Reconsideration** refers to the process by which a researcher and the REB attempt to resolve any disagreements, through deliberation and consultation, about the decision rendered by the REB.
- 3.8. **Research Ethics Appeals Process** refers to the process that allows a researcher to request a review of an REB decision when, after reconsideration, the REB has refused ethics approval of the research.
- 3.9. **Research Ethics Board (REB)** refers to a body of researchers, community members and others with specific expertise (e.g., in ethics, in relevant disciplines) established by an institution to review the ethical acceptability of all research involving humans conducted within an institution's jurisdiction or Under its Auspices.
- 3.10. **Research Involving Human Participants** means an undertaking intended to extend knowledge through a disciplined inquiry or systematic investigation involving Human Participants and includes: (a) research involving living human participants; or (b) research involving human biological materials, as well as human embryos, fetuses, fetal tissue, reproductive materials and stem cells, whether derived from living or deceased individuals.
- 3.11. **Unanticipated Problem** refers to any incident, experience, or outcome that meets all of the following criteria:
  - 3.11.1. Unexpected (in terms of nature, severity, or frequency) given (a) the research procedures that are described in the protocol-related documents, such as the REB-approved research protocol and informed consent document; and (b) the characteristics of the participant population being studied;

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- 3.11.2. Related or possibly related to participation in the research (possibly related means there is a reasonable possibility that the incident, experience, or outcome may have been caused by the procedures involved in the research); and
  - 3.11.3. Suggests that the research places participants or others at a greater risk of harm (including physical, psychological, economic, or social harm) than was previously known or recognized.
  - 3.12. **Under the Auspices** means with the protection or support of someone or something, especially an organization such as a University.
  - 3.13. **University** means University of Northern British Columbia.

#### 4. REPORTING RELATIONSHIP

- 4.1. The REB will submit to the VPR an annual report for the President's Executive Council in February for the activities of the previous calendar year (January through December).
- 4.2. The report shall include the number of proposals reviewed/rejected and the submitting faculties, a generic description of ethics issues/concerns that have been addressed in the past year and any necessary changes to the REB Terms of Reference and Procedures.

#### 5. RESPONSIBILITIES OF THE RESEARCHER:

- 5.1. A researcher who plans to conduct Research Involving Human Participants is required to:
  - 5.1.1. be familiar with all University policies relating to research, including without limitation Ethics Review of Research Involving Human Participants, UNBC Research Ethics Board Terms of Reference & Procedures and the most current version of the TCPS;
  - 5.1.2. submit an ethics application accompanied by any supplementary materials necessary for ethics review and approval prior to recruiting any human participants (with the exceptions noted in the TCPS), accessing data, or collecting human biological materials;
  - 5.1.3. consult with the REB Chair or designate if there is any doubt as to whether a research project constitutes Research Involving Human Participants, to obtain a determination as to whether such research project requires research ethics review;
  - 5.1.4. conduct all REB approved Research Involving Human Participants in accordance with:
    - a. any determinations respecting such research made by the REB that has continuing oversight of such research and comply with and maintain in good standing any Ethics Approval issued by the REB for as long as required by the research;
    - b. the TCPS Core Ethical Principles;
    - c. the most current version of the TCPS;
    - d. University's policies and procedures governing security and privacy, and all other applicable policies and procedures of the University; and
    - e. other relevant legal obligations (including provincial, national and international laws and regulation), policies, standards (including professional and institutional standards) and guidelines, where applicable to a particular area of research or to the funding of such research;
  - 5.1.5. promptly report to the REB the occurrence of any Unanticipated Problem during the course of the implementation of the approved research project, or that has other ethical implications that may affect the welfare of such Human Participants;
  - 5.1.6. promptly submit an amendment to the REB for any proposed changes to the research project and obtain the approval of the REB before implementing the changes, except when necessary to eliminate immediate hazards to Human Participants, or to implement minor logistical changes that do not increase risk to Human Participants;
    - a. in the event of eliminating immediate hazards, submit changes made to the research project to the REB as soon as practicable;
    - b. in the event of minor logistical changes, summarize changes made and include with the annual renewal of a longer term research project or with the research project closure documentation;
  - 5.1.7. notify the REB when the research project has concluded.
- 5.2. The University is committed to ensuring that research conducted under its auspices is done with the highest ethical standards. As part of this commitment, the REB, with support of the VPR, have set completion of the TCPS online tutorial, presently called "Course on Research Ethics" (CORE), as mandatory for all research personnel who are part of a research project that is to be conducted as Research Involving Human Participants. The CORE Tutorial is free and can be completed in about two hours, a dated CORE certificate (or certificate of the most current version of the TCPS tutorial) is issued upon completion. The tutorial provides an essential orientation to Canadian human research ethics guidelines.

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- 5.2.1. The CORE tutorial must be completed before submitting one's application to the REB for ethics review. All students (graduate and undergraduate) must submit the tutorial certificate of completion with their application for ethics review.
  - 5.2.2. Students involved in course-based research must submit the certificate of completion with the application provided to their instructor.
  - 5.2.3. All other research project personnel (e.g. faculty and staff) do not need to attach the certificate of completion to the application; however, copies should be retained and be made available upon request.
  - 5.3. Supervisors of Student Research:
    - 5.3.1. In supervised research, the term "researcher" includes both the supervisor and the individual(s) being supervised. All student research must be supervised by a faculty member who accepts responsibility for overseeing the ethical conduct of the student's research.
    - 5.3.2. In the case of undergraduate or graduate course-based Minimal Risk research projects, the instructor may apply, for the specific course and semester, to the REB for delegated authority to review student course-based research. Applications should be made well in advance (four weeks are suggested) of the semester start to ensure timely review, revisions and approval prior to the course syllabus distribution.
    - 5.3.3. Faculty supervisors should act as a resource for the student when preparing the ethics application, providing guidance and reviewing the application prior to submission. Faculty supervisors must:
      - a. Ensure that their students have the training and competence necessary to execute the proposed research in an ethical manner;
      - b. Ensure the proposed research has been reviewed and accepted by the advisory committee (where applicable) and is of scientific merit;
      - c. Assist students with the preparation of their application for REB review;
      - d. Ensure that the application is clearly written, scientifically valid, and provides the appropriate protections for human research participants;
      - e. Review and approve the student's application prior to submission to the REB.
    - 5.3.4. Following ethics approval, the supervisor is responsible for ensuring that the conditions of the research project are properly executed.
  - 5.4. Student Researchers:
    - 5.4.1. Graduate and undergraduate students wishing to conduct Research Involving Human Participants must obtain the appropriate ethics review and approval of their proposed research, as previously reviewed and cleared by their advisory committee (where applicable) and supervisor before the research may begin. Research projects will be supervised by a faculty member who shares in accepting responsibility for the ethical conduct of the research.
    - 5.4.2. In the case of undergraduate or graduate course-based Minimal Risk research projects, approval may be granted by the course instructor as delegated by the REB specifically for the course and semester [see 5.3.2].
    - 5.4.3. When submitting their first ethics application (whether individually or within a course), all students (both graduate and undergraduate) are also required to submit a certificate of completion of the TCPS online tutorial "Course on Research Ethics" (CORE). The CORE is designed to familiarize researchers with the ethical principles associated with the conduct of Research Involving Human Participants. Although a student's research must be supervised by a faculty member, such supervision does not in any way diminish the obligation of the student to comply with the Policy, the TCPS or other regulations that govern the ethical conduct of Research Involving Human Participants.
    - 5.4.4. It is the joint responsibility of the student and faculty supervisor to ensure that the research project receives and maintains the appropriate ethics approval.

## **6. RESPONSIBILITY OF THE RESEARCH ETHICS BOARD**

- 6.1. Provide impartial, fair and reasoned review of the ethical acceptability of proposed and ongoing research in an efficient and timely manner on behalf of University;
- 6.2. Ensure that REB decisions are communicated clearly to the researchers in writing including all approvals and refusals of, all proposed modifications to, and any requirements they may impose on proposed or ongoing Research Involving Human Participants;
- 6.3. Ensure that the potential benefits of the proposed research are sufficient to warrant human participant involvement;
- 6.4. Provide continuing research ethics review of research that it has approved on an annual basis at a minimum;

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- 6.5. Provide prompt reconsideration of decisions as requested by the researcher in writing, for which the REB may require from the researcher additional information;
  - 6.6. Prepare and maintain comprehensive records, including all documentation related to the projects submitted to the REB for review, attendance at all REB meetings, and accurate minutes reflecting REB decisions. Where the REB denies approval for a research project, the minutes shall clearly document the reasons for the decision.

## **7. MEETINGS AND REVIEW**

- 7.1. Principle of proportionate review:
  - 7.1.1. REB review engages the degree of scrutiny for an application requiring ethics approval that is proportional to the risk posed to research participants. The participant vulnerability and research risk matrix completed in the application is assessed to determine between above-minimal and minimal risk protocols. Regardless of the degree of scrutiny, the ethical requirements for approval are identical.
  - 7.1.2. The REB may ask that the researcher provide the full documentation of scholarly reviews already completed. The REB does not normally conduct scholarly review.
  - 7.1.3. Minimal risk applications will be reviewed through the delegated review process on a rolling basis [see 7.5].
  - 7.1.4. Above minimal risk application will be reviewed at full board meetings.
  - 7.1.5. The Chair of the REB may request further information and/or attendance by the applicant to the REB meeting.
- 7.2. Meeting Schedule and Notice:
  - 7.2.1. The REB will schedule full board meetings monthly from September through June for the review of above-minimal risk applications received before the posted submission deadline. During the months of July and August, review of above minimal risk applications will be done on an "ad hoc" basis.
  - 7.2.2. Additional meetings will be held whenever deemed necessary by the REB Chair.
  - 7.2.3. Seven days' notice shall be given for all meetings except that a meeting may be held at any time without due notice if quorum is met.
  - 7.2.4. The REB shall schedule its meetings to ensure a timely flow of reviews such that research is not unduly impeded;
- 7.3. Meeting Decisions:
  - 7.3.1. Business involving decisions related to research protocols shall be by consensus as declared by the Chair. In the event that a minority within the REB membership considers a research project unethical, even though it is acceptable to a majority of members, an effort should be made to reach consensus. Consultation with the researcher, external advice, peer review or further reflection by the REB may be helpful.
  - 7.3.2. If decisions related to research protocols are made by majority vote, the views of the minority will be communicated to the researcher.
  - 7.3.3. Decisions requiring full review are only to be adopted when the members in attendance at that meeting have the specific expertise, relevant competence and knowledge necessary, as determined by the Chair, to provide an adequate research ethics review of the proposals under consideration.
  - 7.3.4. Decisions made without quorum are not valid or binding.
- 7.4. Quorum is met when the minimum requirements of membership representation are present, as defined in the TCPS. The REB quorum shall consist of at least five members, including both men and women, of whom at least:
  - 7.4.1. two members have expertise in relevant research disciplines, fields and methodologies covered by the REB;
  - 7.4.2. one member is knowledgeable in ethics;
  - 7.4.3. one member is from the community, with no affiliation to the institution;
  - 7.4.4. the presence of a member knowledgeable in the relevant law is only mandatory when reviewing biomedical research.
- 7.5. Minimal Risk Applications Delegated Review Process:
  - 7.5.1. Minimal risk applications submitted to the REB will have the risk matrix assessed upon receipt. Applications deemed by the Chair to be above minimal risk will be escalated to the next scheduled full board meeting. Researchers will be made aware of the decision immediately.
  - 7.5.2. Confirmed minimal risk applications will normally be forwarded to two ethics review members, who will review the application.

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- a. Reviewers are to provide, as needed, a series of concise points that are to be addressed by the researcher(s) prior to the application receiving ethics approval.
  - b. All application related information is to be treated confidentially, with secure transmission of materials, storage and disposition as appropriate.
- 7.5.3. Any ethics review member who disagrees with the initial designation of an application as minimal risk shall return the application to the REB to discuss the option of escalating it to full board review with the Chair and the Chair's determination is final.
  - 7.5.4. The REB Chair or designate will review all minimal risk reviews along with the application and reviewer comments to ensure that decisions are consistent, recorded accurately and communicated clearly to researchers in writing.
  - 7.5.5. A summary of all delegated reviews will be appended to the minutes of regular full board meetings.
- 7.6. Harmonized Review of Multi-Jurisdictional Applications
    - 7.6.1. Both minimal risk and above minimal risk applications that involve multiple partners from the Research Ethics BC (REBC) network are able to be reviewed by all participating partner boards through one application submitted through the Provincial Research Ethics Platform (PREP).
    - 7.6.2. The University is a founding partner of REBC and is able to act as Board of Record as well as Partner Board for reviews involving University researchers.
    - 7.6.3. Review procedures are updated on the REBC website for application information.
  - 7.7. Ongoing Research and Continuing Ethics Review:
    - 7.7.1. Ongoing research is subject to continuing ethics review that is based on a proportionate approach to risk assessment. The REB will make the final determination as to the nature and frequency of continuing research ethics review of approved research projects. Review on an annual basis will be required at a minimum through a status report and formal request for continuing approval submitted to the REB.
    - 7.7.2. Substantive changes made to ongoing research may require a new application be submitted for review as the cumulative ethical ramifications are too extensive to be reviewed through the amendment process.

## 8. MEMBERSHIP

- 8.1. The membership of the REB is designed to ensure competent independent research ethics review. Annually, the REB determines the need for expertise in relevant research disciplines in order to ensure competent independent research ethics review. Members shall be appointed by the VPR on the recommendation of the Chair of the Research Ethics Board. The REB may consult with Faculty Deans, Department Chairs and the Office of Research in maintaining appropriate REB membership.
- 8.2. Initial appointments shall be for a single year, with re-appointments of three year terms. Terms will be staggered to ensure continuity and may be renewed. There is no limit on reappointments.
- 8.3. Meeting attendance is required by members, those absent for more than 50% of the face-to-face meetings over the course of one year will have the Chair review whether that member should continue to serve on the REB in a report to the VPR.
- 8.4. Unexpected circumstances and/or regional campus duties may prevent individual members from attending the REB meeting in person. In these exceptional cases, input from members by the use of technology is acceptable.
- 8.5. The complement of the REB will be determined by the ongoing needs of the University, but should include:
  - 8.5.1. Four tenure track faculty members all of whom are active in research with human participants;
  - 8.5.2. At least one member knowledgeable in ethics;
  - 8.5.3. At least one member is a community member with no affiliation with the University, and who is recruited from the communities served by the University;
  - 8.5.4. At least two members with broad expertise in the methods or in the areas of research that are covered by the REB;
- 8.6. Other members who may serve on the REB include:
  - 8.6.1. Ad hoc members for special purpose reviews [see 8.11];
  - 8.6.2. Alternate members appointed by the VPR in consultation with the REB and the Chair to serve as replacements for regular members when they are unable to attend [see 8.12];
  - 8.6.3. For biomedical research or other research involving special legal risks, at least one member knowledgeable in the relevant law (but the member should not be the University's legal counsel or risk manager);

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- 8.6.4. Research Ethics and Administration Officer, where the officer has the requisite experience, expertise and knowledge comparable to what is expected of REB members, may be appointed to serve as a non-voting member on the REB;
  - 8.6.5. A representative from an Indigenous group or organization, to provide assessment and interpretation of issues specific to research involving and/or affecting Indigenous participants and/or communities.
  - 8.7. Each member shall be appointed to formally fulfill the requirements of only one of the above categories.
  - 8.8. REB Chair is the REB member responsible for ensuring that the REB review process conforms to the requirements of the TCPS. Their role is to provide leadership and to facilitate the REB review process, based on institutional policies and procedures and the TCPS. The Chair should monitor the REB's decisions for consistency and ensure that these decisions are recorded accurately and communicated clearly to researchers in writing as soon as possible by the Chair or their designate. The position is to be provided the necessary resources and adequate administrative support to enable the REB Chair to fulfil the responsibilities of their position.
    - 8.8.1. REB Chair Selection: The Chair shall be appointed by the VPR based on the recommendation of the REB normally from among the appointed members and shall serve, normally, for a term of three years, once renewable. The Chair shall hold a tenured position with the University and upon the end of the Chair's three year term(s), they would normally serve for an additional six months in the capacity as "former Chair".
    - 8.8.2. The Chair shall not serve in the positions of community member, member with expertise in the area of ethics, or member knowledgeable in relevant law.
  - 8.9. REB Vice-Chair: Also holds responsibility for ensuring that the REB review process conforms to the requirements of the TCPS. Their role is to fulfil the role of the Chair when the Chair is either not available, or there is a conflict of interest declared by the Chair. Ideally, the Vice-Chair will move into the Chair position when the Chair either leaves the REB or completes their term(s).
    - 8.9.1. REB Vice-Chair Selection: The Vice-Chair shall be appointed by the VPR based on the recommendation of the REB, normally from among the appointed members and shall serve, normally, for a term of three years, once renewable. Preferably, the Vice-Chair will hold a tenured position with the University, however it is not necessary.
    - 8.9.2. The Vice-Chair shall not serve in the positions of community member.
  - 8.10. Senior Administrators or Members of the Board of Governors shall not serve on the REB, nor directly or indirectly influence the REB decision-making process.
  - 8.11. Ad Hoc Advisors: Individuals consulted by the REB in the event that the REB membership lacks the specific expertise or knowledge to review the ethical acceptability of a research proposal competently. A research project that requires particular community or participant representation or specific disciplinary or methodological expertise not available from its members should have such consultation sought, as needed. Ad Hoc Advisors would be consulted for a specific research ethics review and for the duration of that review. Ad Hoc Advisors are not to be counted in the quorum for the REB, nor allowed to vote on REB decisions.
  - 8.12. Alternate Members: Each REB member is asked to propose the name of another faculty member who could be, if need be, recommended for nomination by the VPR in the case that the regular member is unable to carry on their duties. Alternate members are usually selected considering past experience with ethics review, and are to substitute similar expertise of the incapacitated/absent regular member. Alternate Members are to be counted in the quorum for the REB and are to vote on REB decisions.
  - 8.13. Observers: At the Chair's discretion, observers may be admitted to REB meetings, provided that they sign a confidentiality agreement and they do not have a conflict of interest with the specific meeting agenda. Observers may participate in discussions, are not to be counted in the quorum, nor allowed to vote on REB decisions.
  - 8.14. Conflicts of Interest: Any REB member who has a personal/professional interest or a real or perceived conflict of interest with a research proposal under review (as principal or co-investigator, supervisor, committee member, student, funder) may be asked by the Chair to leave the meeting while the REB deliberates its' decision, if not asked to leave the meeting, the member in conflict shall not be allowed to participate in the vote on the REB decision.

## **9. ADMINISTRATIVE SUPPORT**

- 9.1. Administrative Office is the Office of Research.
- 9.2. The REB will be provided human resources, office space and support services from the Office of Research.

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- 9.3. Minutes of all REB meetings, including all decisions, dissents, and the reasons for them shall be prepared and maintained by the support personnel for the REB. Minutes of all REB meetings are accessible to authorized representatives of the institution, researchers and funding agencies.

## 10. RECONSIDERATION OF REB DECISIONS

- 10.1. Researchers have the right to request and the REB has the obligation to provide, reconsideration of a decision.
- 10.2. Initial reconsideration may simply consist of informal discussions between the researcher and the REB Chair. If the matter is resolved through this process, the resolution will be documented, and reflected in the application materials as appropriate.
- 10.3. If informal discussions do not lead to a resolution, the researcher may request a formal reconsideration. The researcher must provide a written request for reconsideration to the Chair of the REB, outlining the concerns they have with the initial REB review. The researcher has the right to be heard in a meeting with the REB to discuss the issues identified.
- 10.4. When requesting a formal reconsideration, the onus is on the researcher to justify the grounds on which the reconsideration is requested and to indicate any alleged breaches to the established research ethics review process, or any elements of the REB decision not supported by the TCPS.

## 11. APPEAL PROCESS

- 11.1. If after having fully exhausted the reconsideration process, the researcher continues to be dissatisfied with the REB decision, the researcher may utilize the Research Ethics Appeal Process and appeal the decision of the REB to the Appeal Board at the University of Victoria.
- 11.2. The University of Victoria (UVic) has agreed to provide appeal services for UNBC's REB process that is consistent with the TCPS.
- 11.3. An appeal may be launched for procedural or substantive reasons. Procedural error includes real or reasonably apprehended bias, including bias based on validity, method, theory of the method, theoretical grounds of the work or scope, or undeclared conflict-of-interest on the part of one or more members of the UNBC REB.
- 11.4. The researcher making the appeal (the *Appellant*) will provide the Executive Assistant in the UNBC Office of Research (the *UNBC Representative*) with a written description of the alleged procedural error that is the basis of the appeal (the *Submission*). The appellant must also sign a waiver in favour of each of the UNBC and UVic, in the prescribed form, to protect the institutions from any liability or legal claim related to the review.
- 11.5. As soon as is practicable, the UNBC Representative will send the appellant's submission to the Chair of UNBC's REB.
- 11.6. Within thirty (30) working days of receipt of the appellant's submission, the Chair of the UNBC's REB will file with the UNBC Representative a written response to the allegation. As soon as is practicable, the UNBC Representative will send a copy of the Chair's response to the appellant. The Appellant will have the opportunity to provide a written reply to that response within thirty (30) working days of receipt of the response.
- 11.7. Once the file, comprising the original application for ethics approval and the documents referenced above, is complete, the UNBC Representative will forward the file to the Associate Vice President Research, UVic, with a cover letter requesting an Appeal Board review.
- 11.8. The procedures to be followed by UVic's Appeal Board will be those of the University of Victoria and may be modified, as required, by UVic's Human Research Ethics Coordinator. The appellant and the Chair of the UNBC REB have the right to meet with the UVic REB regarding the appeal. In reviewing the appeal, the UVic REB will determine if there has been a procedural error that materially and adversely influenced the decision of the UNBC REB, normally within thirty (30) working days of receipt of the file, and will transmit its decision and reasons to the parties.
- 11.9. If the UVic REB determines that there has been such a procedural error, it will direct the UNBC REB to reconsider the application, employing any changes in procedure outlined by the UVic REB within its decision and reasons.
- 11.10. Normally, within ten (10) working days of the decision of the UVic REB, the written results of the appeal and reasons will be forwarded to the appellant and the Chair of the UNBC REB. The results will be binding on the appellant and UNBC and not subject to further appeal.
- 11.11. Should any costs be associated with the appeal (e.g. travel of the appellant, lawyer's fees, etc.), the appellant and UNBC will each bear their own costs.



Motion Number (assigned by  
Steering Committee of Senate): S-202004.05

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED MOTION**

**Motion:** That the following list of courses be excluded from parking.

**Effective Date:** April 30, 2020

**Rationale:** S-201804.15 laid out the process for parking courses that appear in the Academic Calendars but have not been offered in 5 years or more. If a course was last offered prior to May 2015, it was placed on the parking list. If a Program Chair wished to remove a course from the parking list, they were instructed to provide rationale to their College Dean. The remaining list of courses will be parked on April 30, 2020.

**Motion proposed by:** Katie Sven, Bert Annear

**Department:** Office of the Registrar

**Implications for Other Programs / Faculties?** Yes, all programs have been contacted and have had the opportunity to remove courses from the parking list. Rationale for keeping such courses in the Calendars was submitted to the College Deans.

**College:** CASHS CSAM

**College Council / Committee Motion Number:** N/A

**College Council / Committee Approval Date:** N/A

**Attachment Pages (if applicable):** 5 pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.05

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:** April 8, 2020  
Date

\_\_\_\_\_  
Chair's Signature

**For recommendation to**  **, or information of** \_\_\_\_\_ **Senate.**

**Courses to be excluded from parking (with College Deans' support):**

<b>Subject</b>	<b>Course</b>	<b>Course/Section Title</b>	<b>Last Offering with Enrollment</b>
ANTH	220	Introduction to Primatology	201105
ANTH	240	The Neandertals	201405
ANTH	320	Biology of Circumpolar Peoples	201005
ANTH	400	Anthropological Theory	200701
ANTH	407	British Columbia Ethnography	201405
ANTH	420	Races, Racism, and Human Biology	201205
ANTH	600	Advanced Anthropological Theory	200701
ANTH	607	British Columbia Ethnography	201405
ANTH	620	Races, Racism, and Human Biology	201205
BCMB	705	Advanced Topics in Biochemistry and Molecular Biology	201403
CHEM	302	Environmental Chemistry I	201301
CHEM	605	Topics in Biochemistry	201101
COMM	429	Finance: Advanced Topics	201305
CPSC	720	Advanced Programming Languages	201303
ECON	301	Women and the Economy	200705
ECON	307	Northern BC in the Global Economy	199605
ECON	322	Public Finance	200301
EDUC	603	Advanced Quantitative Data Analysis	201301
EDUC	611	Advanced Topics in Qualitative Research	199605
EDUC	690	Health and Human Sciences: Interdisciplinary Seminar	199905
ENGL	204	Introduction to Television and Film Production	201005
ENGL	386	19th Century Literature in the United States	201401
ENGL	404	Advanced Television and Film Production	200905
ENGL	440	Special Topics in Postcolonial Literature	201405
ENGL	640	Advanced Studies in Postcolonial Literature	201405
ENPL	431	Professional Report	200905
FNST	135	Haisla Language Level 1	199901
FNST	136	Haisla Language Level 2	199605
FNST	164	Dakelh/Carrier Culture Level 2	201101
FNST	168	Tsimshian Culture Level 2	200705
FNST	171	Metis Studies Level One	200805
FNST	172	Metis Studies Level Two	200701
FNST	206	First Nations Oral Literatures	201201
FNST	235	Haisla Language Level 3	199901
FNST	238	Ts'msyen Language Level 4	200801
FNST	261	A First Nations Culture Level 3	200301
FNST	263	Dakelh/Carrier Culture Level 3	200005
FNST	264	Dakelh/Carrier Culture Level 4	200101
FNST	271	Metis Studies Level 3: Metis Communities in Town and Country	200705
FNST	272	Metis Studies Level Four: Working with Metis Communities	200601
FNST	280	Aboriginal Medicines I - Harvesting and Preservation	201405
FNST	281	Aboriginal Medicines II - Administering and Ethics	200903
FNST	282	Aboriginal Health Philosophy	201401
FNST	607	Indigenous Perspectives on Race, Class, Gender and Power	201405

FNST	651	Traditional Use Studies	201501
GNDR	703	Gender and Post-Colonialism	200505
GNDR	706	Feminism and Contemporary Critical Theory	200401
HHSC	110	Basic Microbiology	None
HHSC	111	Anatomy and Physiology I	201405
HHSC	112	Anatomy and Physiology II	201501
HIST	240	The Global Age of Expansion	201305
HIST	280	Colonial Latin America	201501
HIST	311	History of Feminism	201001
HIST	421	Topics in Environmental History	201005
HIST	701	Themes in the History of Gender	201305
HIST	704	Themes in Environmental History	201005
INTS	152	Beginning International Language II	201501
INTS	251	Intermediate International Language I	201405
INTS	252	Intermediate International Language II	201501
INTS	302	Canadian Foreign Policy	201401
INTS	307	Global Resources	200801
INTS	308	Gender and International Studies	201201
INTS	340	The Circumpolar North in Global Perspective	201105
INTS	410	Environment and Development in the Circumpolar North	200701
INTS	460	Issues in Canadian Foreign Relations	201201
INTS	640	Environment and Development in the Circumpolar North	200701
INTS	660	Issues in Canadian Foreign Policy	201201
MATH	450	Combinatorics	201405
MATH	650	Combinatorics	201405
MATH	700	Topics in Functional Analysis	200801
NREM	608	Watershed Management	200201
NURS	202	Pathophysiological Concepts	200305
NURS	415	Introduction to Community Health and Nursing	201501
NURS	430	Community Continuing Care Nursing	200001
NURS	701	Advanced Clinical Practice Nursing	200405
ORTM	433	Field School II	201401
PHIL	200	Critical Thinking	200801
PHIL	201	Philosophy of Science	200705
PHIL	210	Philosophy of Mind	None
PHIL	325	Moral Philosophy	None
PHYS	607	Statistical Mechanics	201405
PHYS	720	Condensed Matter Physics	199805
POLS	309	Politics and Society in China	201305
POLS	317	Moral Philosophy	201105
POLS	338	Parties and Elections	201405
POLS	412	Comparative Aboriginal State Relations	201001
POLS	417	Ethical Leadership	None
POLS	601	Resource Politics	200105
POLS	605	Topics in Society and Democracy	201301
POLS	608	Business-Government Relations	200001
POLS	612	Comparative Aboriginal-State Relations	201001
POLS	617	Ethical Leadership	None
POLS	672	Seminar in Political Philosophy	201005
PSYC	405	Clinical Psychology	201201

PSYC	631	Psychopathology	201401
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**The following courses will be parked on April 1, 2020:**

Subject	Course	Course/Section Title	Last Offering with Enrollment
ANTH	209	Pacific Ethnography	200501
ANTH	304	Kinship and Social Organization	201501
ANTH	316	The Social Theory and Structure of Contemporary Canadian Society	200001
ANTH	380	Topics in Archaeology	201501
ANTH	415	Economic Anthropology	None
ANTH	425	Introduction to Zooarchaeology	201301
ANTH	615	Economic Anthropology	None
ANTH	625	Introduction to Zooarchaeology	201301
CHEM	312	Organic Chemistry Lab III	201205
CHEM	408	Environmental Chemistry II	200305
CHEM	603	Topics in Inorganic Chemistry	200801
CHEM	702	Advanced Topics in Organic Chemistry	200903
CHEM	704	Advanced Topics in Physical Chemistry	201403
CHEM	705	Advanced Topics in Biochemistry	201201
CHEM	710	Advanced Topics in Analytical Chemistry	201101
COMM	316	Financial Statement Analysis	201501
COMM	331	Organizational Theory	201205
COMM	437	Values-based Leadership	201501
COMM	439	HRM: Selected Topics	200703
COMM	450	Total Quality Management	201105
COMM	616	Accounting Research 1	201205
COMM	617	Accounting Research 2	201205
COMM	630	Organizational Studies	200401
COMM	631	Labour Management Relations	200401
CPSC	744	Internet and Mobile Security	200601
EDUC	176	Mathematics and Aboriginal Culture	200505
EDUC	187	Science and Aboriginal Culture	200505
EDUC	315	Curriculum & Instruction: II (Business and Career Education)	None
EDUC	501	Action Research in Schools and Classrooms	200805
EDUC	553	Social Studies Education	200805
EDUC	554	Literacy Strategies for Struggling Learners	None
EDUC	570	Montessori Theory	200803
EDUC	571	Montessori Curriculum and Instruction: Language	None
EDUC	572	Montessori in Context (Child Development)	200805
EDUC	594	Self-Directed Professional Development	None
EDUC	620	Educational Assessment and Evaluation	200205
EDUC	631	Educational Applications of Computer Technology	200903
EDUC	641	Principles of Instruction	200203
EDUC	644	Educational Programs: Development, Implementation and Evaluation	200505
EDUC	645	Discourse in Classrooms	200503

EDUC	648	Oral Traditions and Literacy Development	199901
EDUC	649	Elementary Language, Literacy, and Literature	None
EDUC	650	Secondary Language, Literacy, and Literature	200105
EDUC	652	Science Education	200201
EDUC	691	Education Programs: Interdisciplinary Seminar	199905
EDUC	721	Individual Assessment of Aptitudes and Achievement	199905
EDUC	740	Curriculum Development and Evaluation	200601
EDUC	780	Foundations of Education	200505
ENGL	472	Creative Writing: Drama or Scriptwriting	201203
ENGL	672	Advanced Creative Writing - Drama and Script Writing	200903
ENGL	692	Advanced Information Technologies	200601
ENPL	615	Advanced Environmental Assessment	200901
ENSC	660	Soil Chemical Processes and the Environment	201405
FNST	313	Healing within Art: Space, Time and Materials	201301
FNST	315	Aboriginal Health Management	None
FNST	316	Aboriginal Health and Chronic Illness	201001
FNST	323	First Nations Advanced Translation and Transcription	200001
FNST	405	Advanced Seminar in First Nations Studies: Extending the Discipline	201005
FNST	406	Comparative Rhetoric and Discourse	200601
FNST	408	First Nations Clothing and Adornment	None
FNST	412	Political Economy and First Nations Women	None
FNST	424	The Literature of a First Nation	None
FNST	425	Oral History	None
FNST	603	Northern Nations I	200103
FNST	604	Northern Nations II	200203
FNST	621	First Nations Songs and Poetry	200703
GEOG	312	Geomorphology of Cold Regions	201401
GEOG	602	Geography of the Circumpolar North	200205
GNDR	601	Cultural Studies: Gender, "Race", and Representation	199805
GNDR	604	Advanced Feminist Ethics	199701
HHSC	370	Occupational Health	201405
HHSC	600	Critical Social and Health Issues in Northern Communities	200501
HHSC	604	The Health of First Nations Peoples	201003
HHSC	609	Critical Appraisal of Health Literature	200801
HHSC	702	Seminar in Qualitative Data Collection	None
HIST	290	The Contemporary World	201305
HIST	295	History of Law	201301
HIST	320	The Western United States	200805
HIST	340	Politics and Society in Twentieth Century China	201305
HIST	355	Russian Imperial History	201005
HIST	356	Soviet History	201401
HIST	490	Topics in Historiography	201401
IASK	102	Waves of Globalization	201501
INTS	131	Beginning Russian I	200905
INTS	132	Beginning Russian II	201001
INTS	161	Beginning Chinese I	200405
INTS	162	Beginning Chinese II	200501
INTS	203	Contemporary Japan	201305
INTS	231	Intermediate Russian I	200905
INTS	232	Intermediate Russian II	201001

INTS	261	Intermediate Chinese I	200305
INTS	262	Intermediate Chinese II	200401
INTS	309	Global Science and Technology	200701
INTS	378	Intelligence and Security	200905
INTS	470	Global Environmental Governance	201005
INTS	663	Canadian-American Relations	200505
INTS	664	Canada and the Americas	200505
INTS	670	International Environmental Policy	201005
MATH	702	Functional Analysis II	None
MATH	730	Topics in Numerical Analysis and Approximation	200705
MCPM	705	Research Design and Methods	None
NOLS	100	The Natural History of Regional Ecosystems	None
NOLS	300	Environmental Ethics, Leave No Trace and Leadership	201303
NOLS	301	Group Leadership Techniques	201303
NOLS	302	Wilderness Skills Practicum	201303
NOLS	303	Risk Management, Assessment and Decision Making	201303
NRES	732	Forest Systems and Management	201101
NRES	771	Law and the Geographies of Justice	200601
NRES	774	Dimensions of Outdoor Recreation and Nature-Based Tourism	201401
ORTM	614	Polar Tourism and Recreation	201401
PHYS	307	Selected Topics in Environmental Physics	201101
PHYS	390	Advanced Physics Laboratory	200605
PSYC	805	Advanced Topics in Quantitative Psychology	200503
PSYC	822	Cross-Cultural Communication in Health Care Settings	201401
PSYC	831	Psychopathology	201401
SOCW	424	Child Welfare/Sites of Resistance	200301
SOCW	432	Unemployment and Social Work	199801
SOCW	435	Community Social Policy	199901
SOCW	438	Comparative Welfare Analysis	199901
SOCW	497	Reflection on Practice	200805
SOCW	614	Social Work/Postmodern Debates	200001
SOCW	620	Policy Making/Human Services	201105
SOCW	621	Comparative Welfare Analysis	200705
SOCW	622	Hunger, Food Security and Social Policy	199801
SOCW	651	Legal Issues for Women	200703
WMST	211	Feminist Critical Thought	200205
WMST	302	Women and the Contemporary World	201005
WMST	304	Contemporary Women's Writing in an International Frame	200205
WMST	307	Qualitative Research Methods	None
WMST	401	Cultural Studies: Gender, Race and Representation	200303
WMST	410	Feminist Political Philosophy	None



**MEMORANDUM**  
**COLLEGE OF ARTS, SOCIAL AND HEALTH SCIENCES**  
***Department of ANTHROPOLOGY***

TO: Shannon Wagner, Dean of CASHS  
FROM: Angèle Smith, Chair, Department of Anthropology  
DATE: April 17, 2020  
RE: Executive Summary – Senate Motions

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The Anthropology curriculum was reviewed and the following changes update the Major, Minors and course offerings to better reflect how the program is currently being delivered.

This includes updating the Major and the 4 Minors by changing the required credit hours of the Major to better align with other disciplines in the Social Sciences and Humanities; adding required courses to capture the breadth of Anthropology; standardizing the requirements across all of the Minors; and deleting the ANTH BA Honours. One new course (ANTH 313) was added to reflect the interests of our new hire and 5 courses were deleted that are not being taught. Finally, several course titles and descriptions were changed to update the focus and delivery of these courses.

Motion Number (assigned by  
Steering Committee of Senate): S-202004.06

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the deletion of the Anthropology BA Honours program and courses on pages 58,59 and 188 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** The work that is entailed for the Honours is similar to that of a Masters graduate degree.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

**(Page 58-59)**

BA Honours – Anthropology

The BA Honours - Anthropology provides a higher level of training and specialization for students planning to proceed to academic and professional postgraduate study. Acceptance into the Anthropology Honours Program is by written application to the Department Chair, in which the student identifies the subdiscipline of interest, provides a statement of career objectives, and attaches an unofficial copy of their current transcript. The Honours Program is open to all students majoring in Anthropology who:

1. have completed 60 credit hours of course work;
2. have completed all lower level requirements for the major in Anthropology;
3. possess a Cumulative GPA of 3.33.

In addition to the requirements for the Major in Anthropology, the Honours student will complete 12 additional credit hours, for a minimum total of 132 credit hours to graduate. These 12 credit hours derive from three courses, in a directed sequence of study.

ANTH 500-3	Method and Theory Seminar
ANTH 501-3	Research Prospectus
ANTH 502-6	Honours Thesis

The minimum requirement for completion of a BA Honours - Anthropology is 132 credit hours.

**(Page 188)**

ANTH 500-3 Method and Theory Seminar An examination of current developments within the subdiscipline in which the student is taking the Honours Program. Developed in consultation with and supervised by a member of the Anthropology faculty, the aim is as much to explore where linkages do and do not exist across Anthropology's subdisciplines as it is to understand the state-of-the-art of the chosen subdiscipline. The course will conclude with a seminar discussion developed and directed by the student, open to all Anthropology faculty and the student's peers.



*Prerequisites:* Admission to the Honours Program

ANTH 501-3 Research Prospectus In consultation with the supervisor, the student will design an original research project which will form the core of the Honours thesis. The design will be presented as a colloquium open to the university community.

*Prerequisites:* ANTH 500-3 or permission of the Department Chair

ANTH 502-3 Honours Thesis In accordance with the program guidelines for thesis projects, the student will present the results of their project in a paper of 12,500 – 15,000 words, to be evaluated by the thesis supervisor and an outside reader. Successful completion of the Honours thesis course will be based on the quality of the written work, as well as an oral defense open to the university community.

*Prerequisites:* ANTH 501-3

**5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**(Page 58-59)**

BA Honours—Anthropology

~~The BA Honours—Anthropology provides a higher level of training and specialization for students planning to proceed to academic and professional postgraduate study. Acceptance into the Anthropology Honours Program is by written application to the Department Chair, in which the student identifies the subdiscipline of interest, provides a statement of career objectives, and attaches an unofficial copy of their current transcript. The Honours Program is open to all students majoring in Anthropology who:~~

- ~~1. have completed 60 credit hours of course work;~~
- ~~2. have completed all lower level requirements for the major in Anthropology;~~
- ~~3. possess a Cumulative GPA of 3.33.~~

~~In addition to the requirements for the Major in Anthropology, the Honours student will complete 12 additional credit hours, for a minimum total of 132 credit hours to graduate. These 12 credit hours derive from three courses, in a directed sequence of study.~~

~~ANTH 500-3 ——— Method and Theory Seminar~~

~~ANTH 501-3 ——— Research Prospectus~~

~~ANTH 502-6 ——— Honours Thesis~~

~~The minimum requirement for completion of a BA Honours—Anthropology is 132 credit hours.~~

**(Page 188)**

~~ANTH 500-3 Method and Theory Seminar An examination of current developments within the subdiscipline in which the student is taking the Honours Program. Developed in consultation with and supervised by a member of the Anthropology faculty, the aim is as much to explore where linkages do and do not exist across Anthropology’s subdisciplines as it is to understand the state of the art of the chosen subdiscipline. The course will conclude with a seminar discussion developed and directed by the student, open to all Anthropology faculty and the student’s peers.~~

~~*Prerequisites:* Admission to the Honours Program~~

~~ANTH 501-3 Research Prospectus In consultation with the supervisor, the student will design an original research project which will form the core of the Honours thesis. The design will be presented as a colloquium open to the university community.~~

~~*Prerequisites:* ANTH 500-3 or permission of the Department Chair~~

~~ANTH 502-3 Honours Thesis In accordance with the program guidelines for thesis projects, the student will present the results of their project in a paper of 12,500—15,000 words, to be evaluated by the thesis supervisor and an outside reader. Successful completion of the Honours thesis course will be based on the quality of the written work, as well as an oral defense open to the university community.~~

~~Prerequisites: ANTH 501-3~~

**6. Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.03

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state "not applicable")

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state "not applicable")

**7. Other Information**

**Attachment Pages:**   #0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.06

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:**   April 8, 2020    
**Date**

**Chair's Signature** \_\_\_\_\_

**For recommendation to**   ✓  , **or information of** \_\_\_\_\_ **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202004.07

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the change to the curriculum requirements to the Major in Anthropology, with the addition of ANTH 102-3, A World of Discovery and ANTH 217-3, Language and Culture as required courses to the lower-division courses, on page 58 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** ANTH 102: This course was previously “recommended” so as to work with the first year IASK program that was developed. Since that program is cancelled, ANTH 102-3 should be required. ANTH 217: This course should be included to represent the subfield of Linguistic Anthropology in the lower division requirements, so that students have a breadth across the whole discipline.
3. **Implications of the changes for other programs, etc., if applicable:** Joint Major Anthropology & Geography
4. **Reproduction of current Calendar entry for the item to be revised:**

**Program Requirements and Recommendations**

Lower-Division Recommendation

100 Level

ANTH 102-3 Anthropology: A World of Discovery

Lower-Division Requirements

200 Level

ANTH 200-3 Biological Anthropology

ANTH 205-3 Introduction to Archaeology

ANTH 213-3 Peoples and Cultures

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**Program Requirements and Recommendations**

~~Lower-Division Recommendation~~

~~100 Level~~

~~ANTH 102-3~~ ~~Anthropology: A World of Discovery~~

Lower-Division Requirements

~~200 Level~~

~~ANTH 102-3~~ Anthropology: A World of Discovery

ANTH 200-3 Biological Anthropology

ANTH 205-3 Introduction to Archaeology

ANTH 213-3 Peoples and Cultures

ANTH 217-3 Language and Culture

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:**

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:**

7. **Other Information**

**Attachment Pages:**   # 0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.07

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:**   April 8, 2020    
**Date**

**Chair's Signature**

**For recommendation to**   ✓  , **or information of**            **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202004.08

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change to the curriculum requirements, in the number of required credit hours (courses) for a Major in Anthropology changed from 42 to 54 credit hours (14 to 18 courses) on page 58 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To be in keeping with other disciplines.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised**

#### **Major in Anthropology**

Students majoring in Anthropology must take 42 credit hours in Anthropology courses (fourteen courses). Students may not take more than 60 credit hours of Anthropology without written permission of the Department Chair.

The minimum requirement for completion of a Bachelor of Arts with a major in Anthropology is 120 credit hours.

#### Program Requirements and Recommendations

##### Lower-Division Recommendation

##### 100 Level

ANTH 102-3 Anthropology: A World of Discovery

##### Lower-Division Requirements

##### 200 Level

ANTH 200-3 Biological Anthropology

ANTH 205-3 Introduction to Archaeology

ANTH 213-3 Peoples and Cultures

##### Upper-Division Requirements

##### 300/400 Level

## ANTH 460-3 Anthropology Capstone

One of the following:

ANTH 300-3 Methods in Social Anthropology

ANTH 301-3 Archaeological Lab Methods

ANTH 310-3 Applied Anthropology

ANTH 312-3 Human Adaptability

One of the following:

ANTH 315-3 Anthropological Theory

ANTH 325-3 Archaeological Theory

Eight additional 3 credit hour courses in Anthropology of which four courses must be upper-level.

### 5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:

#### **Major in Anthropology**

Students majoring in Anthropology must take ~~42~~ 54 credits hours in Anthropology courses (~~fourteen~~ 18 courses). Students may not take more than 60 credit hours of Anthropology without written permission of the Department Chair.

The minimum requirement for completion of a Bachelor of Arts with a major in Anthropology is 120 credit hours.

#### Program Requirements and Recommendations

##### Lower-Division Recommendation

###### 100 Level

ANTH 102-3 Anthropology: A World of Discovery

##### Lower-Division Requirements

###### 200 Level

ANTH 200-3 Biological Anthropology

ANTH 205-3 Introduction to Archaeology

ANTH 213-3 Peoples and Cultures

##### Upper-Division Requirements

###### 300/400 Level

ANTH 460-3 Anthropology Capstone

One of the following:

ANTH 300-3 Methods in Social Anthropology

ANTH 301-3 Archaeological Lab Methods

ANTH 310-3 Applied Anthropology  
ANTH 312-3 Human Adaptability

One of the following:  
ANTH 315-3 Anthropological Theory  
ANTH 325-3 Archaeological Theory

~~Eight~~ Ten additional 3 credit hour courses in Anthropology of which ~~four~~ six courses must be upper-level.

**6. Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:**

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:**

**7. Other Information**

**Attachment Pages:** # 0 pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.08

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:** April 8, 2020  
**Date**

**Chair's Signature**

**For recommendation to** ✓ **, or information of** \_\_\_\_\_ **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202004.09

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the curriculum requirements to the Minor in Anthropology: Archaeological Anthropology be updated to reflect the revised curriculum requirements of seven courses (21 credit hours), consisting of three lower-division courses (9 credit hours) and four upper-division courses (12 credit hours) and the name changed to Minor in Anthropology: Anthropological Archaeology on pages 59-60 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To make the subfield minor consistent with other subfield minors and to include courses not previously listed.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

#### **Minor in Anthropology: Archaeological Anthropology**

The minor in Archaeological Anthropology requires completion of a total of seven courses (21 credit hours), consisting of four lower-division courses (12 credit hours) and three upper-division courses (9 credit hours). A maximum of two courses (6 credit hours) used to fulfill program requirements for a major (or another minor) may also be used to fulfill requirements for a minor in Archaeological Anthropology.

#### Recommended

ANTH 102-3 Anthropology: A World of Discovery

#### Requirements

ANTH 203-3 Archaeology of the Americas  
ANTH 205-3 Introduction to Archaeology  
ANTH 212-3 Archaeology of the Old World

Select 9 credit hours from the following:

ANTH 301-3 Archaeological Lab Methods  
ANTH 325-3 Archaeological Theory  
ANTH 335-3 Archaeological Heritage Management  
ANTH 380-(3-6) Special Topics in Archaeology  
ANTH 409-3 British Columbia Archaeology  
ANTH 425-3 Introduction to Zooarchaeology



ANTH 430-3	Stone Tools in Archaeology
ANTH 440-(3-6)	Internship
ANTH 460-3	Anthropology Capstone
ANTH 498-(3-6)	Special Topics in Anthropology
ANTH 499-(3-6)	Independent Study

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**Minor in Anthropology: ~~Archaeological Anthropology~~ Anthropological Archaeology**

The minor in ~~Archaeological Anthropology~~ Anthropological Archaeology requires completion of a minimum ~~a total~~ of seven courses (21 credit hours), consisting of ~~four~~ three lower-division courses (~~12~~ 9 credit hours) and ~~three~~ four upper-division courses (~~9~~ 12 credit hours). ~~A maximum of two courses (6 credit hours) used to fulfill program requirements for a major (or another minor) may also be used to fulfill requirements for a minor in Archaeological Anthropology.~~ A minor in Anthropology cannot be taken in addition to a major in Anthropology.

**Recommended**

~~ANTH 102-3 Anthropology: A World of Discovery~~

**Requirements**

ANTH 102-3 Anthropology: A World of Discovery

Two of the following:

ANTH 203-3	Archaeology of the Americas
ANTH 205-3	Introduction to Archaeology
ANTH 212-3	Archaeology of the Old World
<u>ANTH 250-3</u>	<u>The Ancient Egyptians</u>

~~Select 9~~ Twelve credit hours ~~from~~ of the following:

ANTH 301-3	Archaeological Lab Methods
ANTH 325-3	Archaeological Theory
ANTH 335-3	Archaeological Heritage Management
ANTH 380-(3-6)	<del>Special</del> Topics in Archaeology
ANTH 409-3	British Columbia Archaeology
<u>ANTH 416-6</u>	<u>Archaeological Survey and Mapping</u>
<u>ANTH 417-(3-6)</u>	<u>Excavation and Field Interpretation in Archaeology</u>
<u>ANTH 418-3</u>	<u>Archaeology and First Nations</u>
ANTH 425-3	Introduction to Zooarchaeology
ANTH 430-3	Stone Tools in Archaeology
<del>ANTH 440-(3-6)</del>	<del>Internship</del>
ANTH 460-3	Anthropology Capstone
<del>ANTH 498-(3-6)</del>	<del>Special Topics in Anthropology</del>
ANTH 499-(3-6)	Independent Study

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state "not applicable")

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state "not applicable")

7. **Other Information**

**Attachment Pages:**   0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.09

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:**   April 8, 2020    
**Date**

**Chair's Signature**

**For recommendation to**   ✓  , **or information of**            **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-2020-4.10

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the curriculum requirements for a Minor in Anthropology: Biological Anthropology to be updated to reflect the revised curriculum requirements of seven courses (21 credit hours), consisting of three lower-division courses (21 credit hours) and four upper-division courses (12 credit hours) on page 60 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To make the subfield minor consistent with other subfield minors and to include courses not previously listed.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

#### **Minor in Anthropology: Biological Anthropology**

The minor requires completion of a total of six courses (18 credit hours), consisting of two lower-division courses (6 credit hours) and four upper-division courses (12 credit hours). With approval of the Chair, a maximum of one course (3 credit hours) used to fulfill requirements for a non-Anthropology major (or another minor) may also be used to fulfill program requirements for the minor in Biological Anthropology.

Recommended

ANTH 102-3 Anthropology: A World of Discovery

Requirements

ANTH 200-3 Biological Anthropology  
ANTH 312-3 Human Adaptability

Select 9 credit hours from the following:

ANTH 311-3 Nutritional Anthropology  
ANTH 320-3 Biology of Circumpolar Peoples  
ANTH 411-(3-6) Topics in Biological Anthropology  
ANTH 420-3 Races, Racism, and Human Biology  
ANTH 460-3 Anthropology Capstone  
ANTH 499-(3-6) Independent Study

5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:

**Minor in Anthropology: Biological Anthropology**

The minor in Biological Anthropology requires completion of a minimum total of six seven courses (18 21 credit hours), consisting of two three lower-division courses (6 9 credit hours) and four upper-division courses (12 credit hours). ~~With approval of the Chair, a maximum of one course (3 credit hours) used to fulfill requirements for a non-Anthropology major (or another minor) may also be used to fulfill program requirements for the minor in Biological Anthropology.~~ A minor in Anthropology cannot be taken in addition to a major in Anthropology.

**~~Requirements and Recommendations~~**

**~~Recommended~~**

~~ANTH 102-3 Anthropology: A World of Discovery~~

**Requirements**

ANTH 102-3 Anthropology: A World of Discovery

Two of the following:

ANTH 200-3 Biological Anthropology  
ANTH 201-3 Medical Anthropology  
ANTH 312-3 Human Adaptability

~~Select 9~~ Twelve credit hours ~~from~~ of the following:

ANTH 311-3 Nutritional Anthropology  
ANTH 313-3 Plaques and People  
ANTH 320-3 Biology of Circumpolar Peoples  
ANTH 411-(3-6) Topics in Biological Anthropology  
ANTH 420-3 Races, Racism, and Human Biology  
ANTH 460-3 Anthropology Capstone  
ANTH 499-(3-6) Independent Study

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state “not applicable”)

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state “not applicable”)



Motion Number (assigned by  
Steering Committee of Senate): S-202004.11

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the curriculum requirements to the Minor in Anthropology: General Anthropology be updated to reflect the revised curriculum requirements consisting of seven courses (21 credit hours), consisting of three lower-division courses (9 credit hours) and four upper-division courses (12 credit hours) on page 60 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To make the subfield minor consistent with other subfield minors and to include courses not previously listed.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

#### **Minor in Anthropology: General Anthropology**

The minor requires completion of a total of six courses (18 credit hours), consisting of two lower-division courses (6 credit hours) and four upper-division Anthropology courses (12 credit hours) no more than two of which may be chosen from any single existing Anthropology Minor Area of Focus.

#### **Recommended**

ANTH 102-3 Anthropology: A World of Discovery Requirements

One of the following:

ANTH 200-3	Biological Anthropology
ANTH 205-3	Introduction to Archaeology
ANTH 213-3	Peoples and Cultures

#### **Upper-Division Requirement**

ANTH 315-3 Understanding Theory

Four additional courses, three of which must be upper-division courses.

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**Minor in Anthropology: General Anthropology**

The minor in General Anthropology requires completion of a minimum a total of six seven courses (~~48~~ 21 credit hours), consisting of ~~two~~ three lower-division courses (~~6~~ 9 credit hours) and four upper-division Anthropology courses (12 credit hours) no more than two of which may be chosen from any single existing Anthropology Minor (Anthropological Archaeology, Biological Anthropology, General Anthropology, Sociocultural Anthropology). ~~Area of Focus.~~ A minor in Anthropology cannot be taken in addition to a major in Anthropology.

**~~Requirements and Recommendations~~**

**Recommended**

~~ANTH 102-3 Anthropology: A World of Discovery Requirements~~

**Requirements**

~~ANTH 102-3 Anthropology: A World of Discovery Requirements~~

~~One~~ Two of the following:

ANTH 200-3 Biological Anthropology  
ANTH 205-3 Introduction to Archaeology  
ANTH 213-3 Peoples and Cultures  
ANTH 217-3 Language and Culture

**~~Upper-Division Requirement~~**

~~ANTH 315-3 Understanding Theory~~

~~Four additional courses, three of which must be upper-division courses.~~

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state “not applicable”)

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state “not applicable”)





Motion Number (assigned by  
Steering Committee of Senate): S-202004.12

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the curriculum requirements to the Minor in Anthropology: Sociocultural Anthropology be updated to reflect the revised curriculum requirements of seven courses (21 credit hours), consisting of three lower-division courses (9 credit hours) and four upper-division courses (12 credit hours) on pages 60-61 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2019
2. **Rationale for the proposed revisions:** To make the subfield minor consistent with other subfield minors and to include courses not previously listed.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

#### **Minor in Anthropology: Sociocultural Anthropology**

The minor requires completion of a total of six courses (18 credit hours), consisting of two lower-division courses (6 credit hours) and four upper-division courses (12 credit hours).

#### Requirements

Select 6 credit hours from the following:

ANTH 211-3 Anthropology Through Film  
or ANTH 213-3 Peoples and Cultures  
ANTH 315-3 Anthropological Theory

Select 12 credit hours from the following:

ANTH 300-3 Methods in Social Anthropology  
ANTH 303-3 Archives/Texts/Museums and Contemporary Communities  
ANTH 304-3 Kinship and Social Organization  
ANTH 305-3 Circumpolar Ethnography  
ANTH 310-3 Applied Anthropology  
ANTH 400-3 Anthropological Theory  
ANTH 401-3 Anthropological Perspectives on Inequality  
ANTH 404-3 Comparative Study of Indigenous Peoples of the World  
ANTH 405-3 Landscapes, Place and Culture  
ANTH 406-3 Feminist Perspectives in Anthropology  
ANTH 407-3 British Columbia Ethnography  
ANTH 410-3 Theory of Nation and State

ANTH 413-(3-6)	Environmental Anthropology
ANTH 414-3	Religion, Ideology, and Belief Systems
ANTH 415-3	Economic Anthropology
ANTH 419-3	Political and Legal Anthropology
ANTH 421-3	Ethnographic Field Methods
ANTH 422-3	Ethnographic Research Project
ANTH 423-3	Urban Anthropology
ANTH 460-3	Anthropology Capstone

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**Minor in Anthropology: Sociocultural Anthropology**

The minor in Sociocultural Anthropology requires completion of a minimum ~~a total of six~~ seven courses (~~48~~ 21 credit hours), consisting of ~~two~~ three lower-division courses (~~6~~ 9 credit hours) and four upper-division courses (12 credit hours). A minor in Anthropology cannot be taken in addition to a major in Anthropology.

**Requirements**

Select ~~6~~ credit hours from the following:

~~ANTH 211-3 Anthropology Through Film~~  
~~or ANTH 213-3 Peoples and Cultures~~  
~~ANTH 315-3 Anthropological Theory~~

ANTH 102-3 Anthropology: A World of Discovery

Two of the following:

ANTH 207-3 Popular Culture  
ANTH 211-3 Anthropology through Film  
ANTH 213-3 Peoples and Cultures  
ANTH 214-3 Anthropology of Europe  
ANTH 215-3 Anthropology of Canada  
ANTH 217-3 Language and Culture

Select ~~42~~ Twelve credit hours ~~from~~ of the following:

ANTH 300-3 Methods in Social Anthropology  
 ANTH 303-3 Archives/Texts/Museums and Contemporary Communities  
~~ANTH 304-3 Kinship and Social Organization~~  
 ANTH 305-3 Circumpolar Ethnography  
 ANTH 310-3 Applied Anthropology  
ANTH 315-3 Anthropological Theory  
~~ANTH 400-3 Anthropological Theory~~  
 ANTH 401-3 Anthropological Perspectives on Inequality  
 ANTH 404-3 Comparative Study of Indigenous Peoples of the World  
 ANTH 405-3 Landscapes, Place and Culture  
 ANTH 406-3 Feminist Perspectives in Anthropology  
~~ANTH 407-3 British Columbia Ethnography~~  
 ANTH 410-3 Theory of Nation and State  
 ANTH 413-(3-6) Environmental Anthropology  
 ANTH 414-3 Religion, Ideology, and Belief Systems  
 ANTH 415-3 Economic Anthropology  
~~ANTH 419-3 Political and Legal Anthropology~~

ANTH 421-(3-6) Ethnographic Field Methods  
ANTH 422-(3-6) Ethnographic Research Project  
ANTH 423-3 Urban Anthropology  
ANTH 460-3 Anthropology Capstone

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state "not applicable")

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state "not applicable")

7. **Other Information**

**Attachment Pages:**   0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.12

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:**   April 8, 2020    
**Date**

**Chair's Signature**

**For recommendation to**   ✓  , **or information of**            **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202004.13

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### NEW COURSE APPROVAL MOTION FORM

**Motion:** That the addition of ANTH 313, Plagues and Peoples as a new course in Major in Anthropology, be approved as proposed.

#### **A. Description of the Course**

- 1. Proposed semester of first offering:** September 2020
- 2. Academic Program:** Anthropology
- 3. Course Subject, Number\*, and Credit hours (e.g. CHEM 210-3):** ANTH 313-3
- 4. Course Title:** Plagues and Peoples
- 5. Goal(s) of Course:**

To examine the interplay of human behaviour and infectious disease, focusing on both general principles through an examination of specific plagues and epidemics through history, while offering a course that should interest students from across the disciplines.

#### **6. Calendar Course Description:**

This course examines the relationship between humankind and infectious disease. Using cultural, evolutionary, epidemiological, and ecological perspectives, students examine the interplay between human behaviour and infectious disease through a study of specific plagues and epidemics through history. An over-arching objective is to appreciate how humanity's past experience with plagues can inform our current and future encounters with new (or re-emerging) diseases.

- 7. Credit Hours:** 3 credit hours (Normally, UNBC courses are 3 credit hours and may not be repeated for additional credit. If this course falls outside the norm, please complete sections "a)" and "b)" below).

#### **a) Can the course be repeated for credit if the subject matter differs substantially?**

Yes\*  No

\* If "yes," please indicate the maximum number\*\* of credit hours which may be applied to a student's degree using this course: \_\_\_\_\_

\*\* If the course may be taken more than once but will only ever be offered for 3 credit hours, for example, per offering, the credit hours are simply expressed as "3" and the following notation (with the correct number of credit hours noted) is included within the Calendar Course Description:

*"This course may be repeated to a maximum of XX credit hours if the material is substantially different."*

b) **Is variable credit available for this course?** Yes \_\_\_\_\_ No  x

Variable credit is denoted by the following examples:

- i) **"3-6"**: in this example, the course may be offered for 3, 4, 5, OR 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3-6).
- ii) **"3,6"**: in this example, the course may be offered for EITHER 3 or 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3,6).

**8. Contact Hours (per week):**

Lecture  3

Seminar \_\_\_\_\_

Laboratory \_\_\_\_\_

Other (please specify) \_\_\_\_\_

**9. Prerequisites (taken prior):**  ANTH 102-3 (recommended)

**10. Prerequisites with concurrency (taken prior or simultaneously):**  None

**11. Co-requisites (must be taken simultaneously):**  None

**12. Preclusions:**  ANTH 298-3 Topics in Anthropology, when offered as Plagues and Peoples

**13. Course Equivalencies:** none

**14. Grade Mode:** NORMAL (i.e., alpha grade)

**15. Course to be offered:** each semester \_\_\_\_\_

(Check one) each year \_\_\_\_\_

alternating years  x

**16. Proposed text / readings:** Scholarly articles (e.g. Tripp, L. & Sawchuk, L.A. 2017. Insights into secular trends of respiratory tuberculosis: The 20th century Maltese experience, PloS); select chapters from open access WHO online book, (Bonita, R., Beaglehole, R. & Kjellstrom, T., 2016, Basic Epidemiology 2<sup>nd</sup> Ed., WHO: Switzerland), and epidemic reading package co-written and unpublished (Sawchuk & Tripp, 2013. Epidemic Experience)

**B. Significance Within Academic Program** This course fits within the area study of the sub-discipline of Biological Anthropology and is significant for understanding the biocultural conditions of diseases and plagues in a global context.

**1. Anticipated enrolment**  40

**2. If there is a proposed enrolment limit, state the limit and explain:**  no

**3. Required for:** Major: \_\_\_\_\_ Minor: \_\_\_\_\_ Other: \_\_\_\_\_

**4. Elective in:** Major:  BA Anthropology  Minor:  Biological Anthropology  Other: \_\_\_\_\_

**5. Course required by another major/minor:** Not applicable

**6. Course required or recommended by an accrediting agency:** no

7. Toward what degrees will the course be accepted for credit? BA
8. What other courses are being proposed within the Program this year? None
9. What courses are being deleted from the Program this year? ANTH 209, 304, 316, 619; 500, 501, 502

**C. Relation to Other Program Areas**

1. Identify courses in other UNBC Programs that overlap with this course; describe the overlap and comment on its significance: None
2. Is a preclusion required? Yes \_\_\_\_\_ No X
3. If there is an overlap, and no preclusion is required, please explain why not: not applicable
4. Has this overlap been discussed with the Program concerned? Yes \_\_\_\_\_ No \_\_\_\_\_
5. In offering this course, will UNBC require facilities or staff at other institutions?  
Yes \_\_\_\_\_ No X

If yes, please describe requirements:

6. Is this course replacing an existing course that is included in one or more transfer agreements with external institutions?  
Yes \_\_\_\_\_ No X

If “yes,” please contact the Articulation Officer in the Office of the Registrar.

**D. Resources required**

1. Please describe ADDITIONAL resources required over the next five years to offer this course.
  - i. College Staffing: Not applicable
  - ii. Space (classroom, laboratory, storage, etc.): Not applicable
  - iii. Library Holdings: See attached form
  - iv. Computer (time, hardware, software): Not applicable

**E. Additional Attached Materials Syllabus is attached**

**F. Other Considerations**

1. First Nations Content\*: Yes\*\* \_\_\_\_\_ No X  
\* Whether a new course has First Nations content is to be determined by the relevant College Council(s).

**\*\*If "yes,"** refer the motion to the Senate Committee on First Nations and Aboriginal Peoples **prior to** SCAAF.

2. **Other Information:** None

3. **Attachment Pages (in addition to required "Library Holdings" Form):** 9 pages

### G. **Authorization**

SCCC Reviewed: January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**College Council Approval Date(s):**

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:**

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:**

#### **TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.13

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:** April 8, 2020  
**Date**

**Chair's Signature**

**For recommendation to ✓, or information of \_\_\_\_\_ Senate.**

**Library Holdings Form**  
**(to be submitted with SCAAF New Course Approval Motion Form)**

**PROPOSED NEW COURSE:** ANTH 313-3

**Library Holdings** (to be completed by the appropriate Librarian):

a) Are current library holdings adequate?      Yes   X        No       

b) If no to a), what monographs / periodicals / E-resources will be needed, and at what estimated cost?

c) If no to a), what is the proposed funding source?



\_\_\_\_\_  
**University Librarian (or designate) signature**

2020-01-17  
\_\_\_\_\_  
**Date**



Motion Number (assigned by  
Steering Committee of Senate): S-202004.14

**SENATE COMMITTEE ON ACADEMIC AFFAIRS PROPOSED**

**REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the program description for the Major in Anthropology on page 58 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To clarify language.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

**Subject Requirement**

Students wishing to pursue graduate degrees in anthropology or work as practicing anthropologists are encouraged to take an additional five upper-level courses, including field school courses and internships.

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**Subject Requirement**

Students wishing to pursue graduate degrees in anthropology or work ~~as practicing anthropologists in anthropology-related careers~~ are encouraged to take ~~an additional five upper-level courses, including field school courses and internships.~~

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state “not applicable”)



Motion Number (assigned by  
Steering Committee of Senate): S-202004.15

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change to the course title and course description for ANTH 300 from pages 58, 59, 60, 160, and 185 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:** To better reflect course content as it is being taught.

3. **Implications of the changes for other programs, etc., if applicable:**

Note: The proposed changes do not involve changes to the course content; therefore, we anticipate no impact on other programs that make use of this course. However, the proposed change in course title will impact the following UNBC Calendar course listing which will need the title changed. The Program Chair responsible for this Degree has been notified via email.

Northern Studies BA Program (Page 160)

4. **Reproduction of current Calendar entry for the item to be revised:**

(Page 58, 59, 60, 160, and 185)

ANTH 300-3          Methods in Social Anthropology

Research design, data collection, statistics and analysis as used in social anthropology. The seminar will discuss field methods and use of archival materials.

*Prerequisites:* 60 credit hours or permission of the instructor

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~striketrough~~”:**

ANTH 300-3          ~~Methods in Social Anthropology~~ Qualitative Methods

~~Research design, data collection, statistics and analysis as used in social anthropology. The seminar will discuss field methods and use of archival materials.~~

This course explores the significance of the ethnographic method in the practice of qualitative research. Students learn about defining research questions, creating research designs, selecting research strategies, and understanding the ethics of carrying out research. Students also learn about different kinds of data collection and research tools, including participant-observation, interviewing, focus groups, data recording through field notes, journaling, and visual and sound methods. Finally, students are introduced to qualitative and discourse analysis and interpretation.

*Prerequisites:* 60 credit hours or permission of the instructor

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state "not applicable")

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state "not applicable")

7. **Other Information**

**Attachment Pages:**   #0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.15

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:**   April 8, 2020    
**Date**

**Chair's Signature**

**For recommendation to   ✓  , or information of            Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202004.16

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change to the course title and course description for ANTH 303 from pages 60 and 185 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To better reflect the course content as it is being taught.
3. **Implications of the changes for other programs, etc., if applicable:**  
Note: The proposed changes do not involve changes to the course content; therefore, we anticipate no impact on other programs that make use of this course.

4. **Reproduction of current Calendar entry for the item to be revised:**

Page 60

ANTH 303-3 Archives/Texts/Museums and Contemporary Communities

Page 185

ANTH 303-3 Archives, Texts, Museums, and Contemporary Communities Students will engage in projects in which they combine the use of archival, textual, museum and interview methodologies.

*Prerequisites:* Upper-division standing or permission of the instructor

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**  
(Page 60)

ANTH 303-3 ~~Archives/Texts/Museums and Contemporary Communities~~ Museums, Galleries, Archives

Page 185

~~ANTH 303-3 Archives, Texts, Museums, and Contemporary Communities~~ Museums, Galleries, Archives  
~~Students will engage in projects in which they combine the use of archival, textual, museum and interview methodologies.~~ This course explores anthropological museum practice, archival research, and art curation. Special attention is given to community stakeholders in curatorial practice and heritage management. Students engage in hands-on archival research and participate in multiple museum/gallery field trips.

*Prerequisites:* Upper-division standing or permission of the instructor

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state "not applicable")

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state "not applicable")

7. **Other Information**

**Attachment Pages:**   0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.16

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:** April 8, 2020  
**Date**

**Chair's Signature**

**For recommendation to**   ✓  , **or information of** \_\_\_\_\_ **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202004.17

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change to the course title and course description for ANTH 310 from pages 58, 59, 60, and 185 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To better reflect course content as it is being taught.
3. **Implications of the changes for other programs, etc., if applicable:**  
Note: The proposed changes do not involve changes to the course content; therefore, we anticipate no impact on other programs that make use of this course.
4. **Reproduction of current Calendar entry for the item to be revised:**  
Page 58, 59, 60, and 185

ANTH 310-3 Applied Anthropology

Theory in practice as it is understood by those who practice and advocate what many consider to be an entire sub field in anthropology: Applied Anthropology. The course will focus on the practice of anthropology using examples relevant to the northern world, and will consider issues associated with doing anthropology in difficult situations.

*Prerequisites:* Upper-division standing

*Recommended:* One of ANTH 200-3, ANTH 205-3 or ANTH 213-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**  
(Page 58, 59, 60, and 185)

ANTH 310-3 ~~Applied Anthropology~~ Practicing Anthropology

~~Theory in practice as it is understood by those who practice and advocate what many consider to be an entire sub field in anthropology: Applied Anthropology. The course will focus on the practice of anthropology using examples relevant to the northern world, and will consider issues associated with doing anthropology in difficult situations.~~

~~*Prerequisites:* Upper-division standing~~

This course examines the career opportunities and ethical challenges of practicing sociocultural anthropology outside of academia, in areas such as international aid and development, business and industry, policy and defence, art and design, legal consultancy, and community and government organizations. Students explore the relevance of anthropological training in working with clients, consultants, and communities. Through a series of course assignments, students build a proposal for their own consultancy projects.

~~*Prerequisites:* Upper-division standing~~

~~*Recommended:* One of ANTH 200-3, ANTH 205-3 or ANTH 213-3~~

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state "not applicable")

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state "not applicable")

7. **Other Information**

**Attachment Pages:**   0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.17

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:**   April 8, 2020    
**Date**

**Chair's Signature**

**For recommendation to**   ✓  , **or information of**            **Senate.**



Motion Number (assigned by  
Steering Committee of Senate): S-202004.18

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change to the course title and course description for ANTH 311 from pages 60, 139, and 185 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To better reflect course content as it is being taught.
3. **Implications of the changes for other programs, etc., if applicable:**  
Note: The proposed changes do not involve changes to the course content; therefore, we anticipate no impact on other programs that make use of this course.
4. **Reproduction of current Calendar entry for the item to be revised:**  
(Page 60)

Select 9 credit hours from the following:

ANTH 311-3 Nutritional Anthropology  
ANTH 320-3 Biology of Circumpolar Peoples  
ANTH 411-(3-6) Topics in Biological Anthropology  
ANTH 420-3 Races, Racism, and Human Biology  
ANTH 460-3 Anthropology Capstone  
ANTH 499-(3-6) Independent Study

(Page 139)

ANTH 205-3 Introduction to Archaeology  
ANTH 220-3 Introduction to Primatology  
ANTH 301-3 Archaeological Lab Methods  
ANTH 311-3 Nutritional Anthropology  
ANTH 312-3 Human Adaptability  
ANTH 320-3 Biology of Circumpolar Peoples  
ANTH 420-3 Races, Racism and Human Biology

(Page 185)

ANTH 311-3 Nutritional Anthropology This course undertakes a biocultural examination of the relationship between food (e.g., acquisition and avoidance; distribution; preparation), human health, and society in past and present populations. Lab exercises examine aspects of research methodology, including anthropometrics, dietetics and energetics.

*Prerequisites:* ANTH 200-3 or permission of the instructor

*Precluded:* NURS 206-3, NURS 303-3, HHSC 311-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**  
(Page 60)

Select 9 credit hours from the following:

ANTH 311-3 ~~Nutritional~~-Anthropology of Food, Drink & Health  
ANTH 320-3 Biology of Circumpolar Peoples  
ANTH 411-(3-6) Topics in Biological Anthropology  
ANTH 420-3 Races, Racism, and Human Biology  
ANTH 460-3 Anthropology Capstone  
ANTH 499-(3-6) Independent Study

(Page 139)

ANTH 205-3 Introduction to Archaeology  
ANTH 220-3 Introduction to Primatology  
ANTH 301-3 Archaeological Lab Methods  
ANTH 311-3 ~~Nutritional~~-Anthropology of Food, Drink & Health  
ANTH 312-3 Human Adaptability  
ANTH 320-3 Biology of Circumpolar Peoples  
ANTH 420-3 Races, Racism and Human Biology

(Page 185)

ANTH 311-3 ~~Nutritional~~-Anthropology of Food, Drink & Health ~~This course undertakes a biocultural examination of the relationship between food (e.g., acquisition and avoidance; distribution; preparation), human health, and society in past and present populations. Lab exercises examine aspects of research methodology, including anthropometrics, dietetics and energetics.~~ This course uses a biocultural approach to examine the relationship between humans and food (e.g., origins, acquisition and avoidance; distribution; preparation). The evolution of food and health (human dietary needs; malnutrition) is explored over time with regard to hunter-gatherers, food domesticators, and contemporary populations.

*Prerequisites:* ANTH 200-3 or permission of the instructor

*Precluded:* NURS 206-3, NURS 303-3, HHSC 311-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state “not applicable”)

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state “not applicable”)

7. Other Information

Attachment Pages: #0 pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.18

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:** April 8, 2020  
Date

\_\_\_\_\_  
Chair's Signature

For recommendation to ✓, or information of \_\_\_\_\_ Senate.

Motion Number (assigned by  
Steering Committee of Senate): S-202004.19

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change to the course title and course description for ANTH 312 from pages 58, 59, 60, 139, 143, 159, and 186 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To better reflect course content as it is being taught.
3. **Implications of the changes for other programs, etc., if applicable:**  
Note: The proposed changes do not involve changes to the course content; therefore, we anticipate no impact on other programs that make use of this course.

4. **Reproduction of current Calendar entry for the item to be revised:**  
(Pages 58, 59, 60, 139, 143, and 159)

ANTH 312-3 Human Adaptability

(Page 186)

ANTH 312-3 Human Adaptability This course will examine the genetic, epigenetic, and behavioural/cultural avenues used by humankind in adapting to environmental stresses associated with extreme habitats, (e.g., cold, heat, hypoxia). Human (mal-) adaption to post-industrial revolution urban conditions (e.g., crowding, noise, pollution) will also be addressed.

*Prerequisites:* ANTH 200-3 or permission of the instructor

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

(Pages 58, 59, 60, 139, 143, and 159)

ANTH 312-3 Human Adaptability and Environmental Stress

(Page 186)

~~ANTH 312-3 Human Adaptability and Environmental Stress This course will examine the genetic, epigenetic, and behavioural/cultural avenues used by humankind in adapting to environmental stresses associated with extreme habitats, (e.g., cold, heat, hypoxia). Human (mal-) adaption to post-industrial revolution urban conditions (e.g., crowding, noise, pollution) will also be addressed.~~ This course examines the human capacity to adapt to a wide array of environmental (physical and social) stressors. Topics include: adaptation to extreme environments (e.g. cold, hot, high altitude); (mal)adaption to modern and urban conditions (e.g. sleep, crowding, noise, pollution); and the role of genetics, culture/behaviour, and epigenetics in human adaptation.

*Prerequisites:* ANTH 200-3 or permission of the instructor



Motion Number (assigned by  
Steering Committee of Senate): S-202004.20

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change to the course title and course description for ANTH 400 from pages 60 and 186 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To better reflect the course content as it is being taught.
3. **Implications of the changes for other programs, etc., if applicable:**  
Note: The proposed changes do not involve changes to the course content; therefore we anticipate no impact on other programs that make use of this course.

4. **Reproduction of current Calendar entry for the item to be revised:**

Page 60

ANTH 400-3 Anthropological Theory

Page 186

ANTH 400-3 Anthropological Theory This course surveys and critiques selected contemporary approaches to cultural and social theory.

*Prerequisites:* 60 credit hours or permission of the instructor

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

Page 60

ANTH 400-3 ~~Anthropological Theory~~ Thinking Through Anthropology: Ideas for a Better World

Page 186

ANTH 400-3 ~~Anthropological Theory~~ Thinking Through Anthropology: Ideas for a Better World ~~This course surveys and critiques selected contemporary approaches to cultural and social theory .~~  
This course examines a range of concepts and theories central to contemporary anthropology. The course addresses the critical social and political practice of anthropology, recognizing that practicing anthropology means theorizing, and theorizing anthropology means practicing.

*Prerequisites:* 60 credit hours or permission of the instructor



Motion Number (assigned by  
Steering Committee of Senate): S-202004.21

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change to the course title, course description, and credit hours for ANTH 450 from page 188 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

- 1. Effective date:** September 2020
- 2. Rationale for the proposed revisions:** To better reflect the course content; to add a course description where there was none before; and to offer as 6 credits only.
- 3. Implications of the changes for other programs, etc., if applicable:**  
Note: The proposed changes do not involve changes to the course content; therefore we anticipate no impact on other programs that make use of this course.
- 4. Reproduction of current Calendar entry for the item to be revised:**  
Page 188  
  
ANTH 450-(3-6) Undergraduate Thesis in Anthropology  
Prerequisites: Upper-division standing and permission of the Department Chair
- 5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**  
(Page 188)  
  
ANTH 450-(~~3-6~~) Undergraduate Thesis in ~~Anthropology~~  
Students explore an original research topic developed in consultation with and supervised by a faculty member in the Anthropology Department. This thesis builds upon past coursework, but also includes a much more thorough review of the literature than would be the case of upper-level undergraduate courses. The research results are presented in the form of an 8,000-10,000-word research paper that the student informally presents to the members of the Anthropology Department.  
  
Prerequisites: Upper-division standing and permission of the Department Chair
- 6. Authorization:**  
  
**Program / Academic / Administrative Unit:** Anthropology  
  
**SCCC Reviewed:** January 28, 2020  
  
**College:** CASHS  
  
**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.04



**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state "not applicable")

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state "not applicable")

**7. Other Information**

**Attachment Pages:** #0 pages (fill in number of pages, or indicate "0" if there are no attachments)

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.21

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:** April 8, 2020  
Date

\_\_\_\_\_  
Chair's Signature

**For recommendation to ✓, or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202004.22

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the deletion of the ANTH 209 Pacific Ethnography page 184 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To update the academic calendar to better represent the courses being taught in the Anthropology department.
3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

ANTH 209-3 Pacific Ethnography A survey of the ethnographic literature of the Pacific with a focus on selected cultures and/or regions. The course will discuss the methodology and paradigms of the area's ethnographic research.

*Prerequisites:* None

*Recommended:* ANTH 102-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

~~ANTH 209-3 Pacific Ethnography A survey of the ethnographic literature of the Pacific with a focus on selected cultures and/or regions. The course will discuss the methodology and paradigms of the area's ethnographic research.~~

~~*Prerequisites:* None~~

~~*Recommended:* ANTH 102-3~~

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.03

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state "not applicable")

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state "not applicable")

7. Other Information

Attachment Pages:  0  pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.22

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:**  April 8, 2020   
**Date**

**Chair's Signature**

For recommendation to  ✓ , or information of   Senate.

Motion Number (assigned by  
Steering Committee of Senate): S-202004.23

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the deletion of the ANTH 304 Kinship and Social Organization on pages 60 and 185 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To update the academic calendar to better represent the courses being taught in the Anthropology department.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

#### **(Page 60)**

##### Requirements

Select 6 credit hours from the following:

ANTH 211-3 Anthropology Through Film  
or ANTH 213-3 Peoples and Cultures  
ANTH 315-3 Anthropological Theory

Select 12 credit hours from the following:

ANTH 300-3 Methods in Social Anthropology  
ANTH 303-3 Archives/Texts/Museums and Contemporary Communities  
ANTH 304-3 Kinship and Social Organization  
ANTH 305-3 Circumpolar Ethnography  
ANTH 310-3 Applied Anthropology  
ANTH 400-3 Anthropological Theory  
ANTH 401-3 Anthropological Perspectives on Inequality  
ANTH 404-3 Comparative Study of Indigenous Peoples of the World  
ANTH 405-3 Landscapes, Place and Culture  
ANTH 406-3 Feminist Perspectives in Anthropology  
ANTH 407-3 British Columbia Ethnography  
ANTH 410-3 Theory of Nation and State  
ANTH 413-(3-6) Environmental Anthropology  
ANTH 414-3 Religion, Ideology, and Belief Systems

#### **(Page 185)**

ANTH 304-3 Kinship and Social Organization A review of the literature on kinship and social organization, and an examination of selected cases from various societies.

*Prerequisites:* Upper-division standing

*Precluded:* ANTH 408-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**(Page 60)**

**Requirements**

Select 6 credit hours from the following:

ANTH 211-3 Anthropology Through Film  
or ANTH 213-3 Peoples and Cultures  
ANTH 315-3 Anthropological Theory

Select 12 credit hours from the following:

ANTH 300-3 Methods in Social Anthropology  
ANTH 303-3 Archives/Texts/Museums and Contemporary Communities  
~~ANTH 304-3 Kinship and Social Organization~~  
ANTH 305-3 Circumpolar Ethnography  
ANTH 310-3 Applied Anthropology  
ANTH 400-3 Anthropological Theory  
ANTH 401-3 Anthropological Perspectives on Inequality  
ANTH 404-3 Comparative Study of Indigenous Peoples of the World  
ANTH 405-3 Landscapes, Place and Culture  
ANTH 406-3 Feminist Perspectives in Anthropology  
ANTH 407-3 British Columbia Ethnography  
ANTH 410-3 Theory of Nation and State  
ANTH 413-(3-6) Environmental Anthropology  
ANTH 414-3 Religion, Ideology, and Belief Systems

**(Page 185)**

~~ANTH 304-3 Kinship and Social Organization A review of the literature on kinship and social organization, and an examination of selected cases from various societies.~~

~~*Prerequisites:* Upper division standing~~

~~*Precluded:* ANTH 408-3~~

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.03

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state “not applicable”)

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state “not applicable”)

7. **Other Information**

Attachment Pages:  0  pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.23

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:**  April 8, 2020   
**Date**

**Chair's Signature**

**For recommendation to**  ✓ , **or information of** \_\_\_\_\_ **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202004.24

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the deletion of the Anthropology courses ANTH 316 The Social Theory and Structure of Contemporary Canadian Society on pages 110, 137 and 186 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To update the academic calendar to better represent the courses being taught in the Anthropology department.
3. **Implications of the changes for other programs, etc., if applicable:**  
Note: The proposed change does not involve a required course; therefore we anticipate no impact on other programs that make use of this course. However, the proposed change will impact course elective options in Geography's Major in Public Administration and Community Development and Environmental Planning's Major in Northern and Rural Community Planning. The Program Chair responsible for this Degree has been notified via email.
4. **Reproduction of current Calendar entry for the item to be revised:**

#### **(Page 110)**

Three of the following, minimum 9 credit hours:

ANTH 316-3 The Social Theory and Structure of Contemporary Canadian Society  
ANTH 413-(3-6) Environmental Anthropology  
ECON 411-3 Cost Benefit Analysis  
ENPL 430-6 Undergraduate Thesis  
ENPL 431-3 Professional Report  
ENPL 440-(2-6) Internship  
ENSC 404-3 Waste Management  
ENSC 302-3 Low Carbon Energy Development  
FNST 350-3 Law and Indigenous Peoples  
GEOG 305-3 Political Ecology: Environmental Knowledge and Decision-Making

#### **(Page 137)**

Select ONE course from each category below:  
Community

ANTH 316-3 The Social Theory and Structure of Contemporary Canadian Society  
COMM 302-3 Entrepreneurship  
ENPL 301-3 Sustainable Communities: Structure and Sociology  
GEOG 301-3 Cultural Geography  
ORTM 407-3 Recreation, Tourism, and Communities  
POLS 434-3 Resource Communities in Transition  
SOCW 437-3 Social Work with Groups and Communities

SOCW 456-3 Indigenous Family Caring Systems  
SOCW 457-3 Individual and Community Wellness for Indigenous Peoples

**(Page 186)**

ANTH 316-3 The Social Theory and Structure of Contemporary Canadian Society A consideration of basic themes, theories and concepts in advanced social thought as they relate to modern Canadian industrial society. Theories to be reviewed will include: functionalism, conflict theory, exchange theory and interactionist theory. These will be reviewed in relation to key issues impacting modern Canadian industrial societies, including: social inequality, ethnic and gender relations, the family, political and economic organization, work and occupations, community and region, the environment and utilization of natural resources, and social movements and social change.

*Prerequisites:* 60 credit hours or permission of the instructor

*Recommended:* ANTH 102-3 or ANTH 213-3

**5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**(Page 110)**

Three of the following, minimum 9 credit hours:

~~ANTH 316-3 The Social Theory and Structure of Contemporary Canadian Society~~  
ANTH 413-(3-6) Environmental Anthropology  
ECON 411-3 Cost Benefit Analysis  
ENPL 430-6 Undergraduate Thesis  
ENPL 431-3 Professional Report  
ENPL 440-(2-6) Internship  
ENSC 404-3 Waste Management  
ENSC 302-3 Low Carbon Energy Development  
FNST 350-3 Law and Indigenous Peoples  
GEOG 305-3 Political Ecology: Environmental Knowledge and Decision-Making

**(Page 137)**

Select ONE course from each category below:

Community

~~ANTH 316-3 The Social Theory and Structure of Contemporary Canadian Society~~  
COMM 302-3 Entrepreneurship  
ENPL 301-3 Sustainable Communities: Structure and Sociology  
GEOG 301-3 Cultural Geography  
ORTM 407-3 Recreation, Tourism, and Communities  
POLS 434-3 Resource Communities in Transition  
SOCW 437-3 Social Work with Groups and Communities  
SOCW 456-3 Indigenous Family Caring Systems  
SOCW 457-3 Individual and Community Wellness for Indigenous Peoples

**(Page 186)**

~~ANTH 316-3 The Social Theory and Structure of Contemporary Canadian Society A consideration of basic themes, theories and concepts in advanced social thought as they relate to modern Canadian industrial society. Theories to be reviewed will include: functionalism, conflict theory, exchange theory and interactionist theory. These will be reviewed in relation to key issues impacting modern Canadian industrial societies, including: social inequality, ethnic and gender relations, the family, political and economic organization, work and occupations, community and region, the environment and utilization of natural resources, and social movements and social change.~~



~~Prerequisites: 60 credit hours or permission of the instructor~~  
~~Recommended: ANTH 102-3 or ANTH 213-3~~

**6. Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.03

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state "not applicable")

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state "not applicable")

**7. Other Information**

**Attachment Pages:**   0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.24

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:** April 8, 2020  
**Date**

**Chair's Signature**

**For recommendation to**   ✓  , **or information of** \_\_\_\_\_ **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202005.25

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the deletion of the Anthropology courses ANTH 419 Political and Legal Anthropology on pages 61, 143 and 187 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To update the academic calendar to better represent the courses being taught in the Anthropology department.
3. **Implications of the changes for other programs, etc., if applicable:**  
Note: The proposed change does not involve a required course; therefore we anticipate no impact on other programs that make use of this course. However, the proposed change will impact course elective options in the Major in Global and International Studies program. The Program Chair responsible for this Degree has been notified via email.
4. **Reproduction of current Calendar entry for the item to be revised:**

**(Page 61)**

ANTH 415-3 Economic Anthropology  
ANTH 419-3 Political and Legal Anthropology  
ANTH 421-3 Ethnographic Field Methods  
ANTH 422-3 Ethnographic Research Project  
ANTH 423-3 Urban Anthropology  
ANTH 460-3 Anthropology Capstone

**(Page 143)**

Global governance and social justice theme

ANTH 406-3 Feminist Perspectives in Anthropology  
ANTH 410-3 Theory of Nation and State  
ANTH 419-3 Political and Legal Anthropology  
ANTH 420-3 Races, Racism, and Human Biology  
ECON 301-3 Women and the Economy  
ENGL 340-3 Postcolonial Literature  
ENGL 410-3 Contemporary Women's Literature  
ENGL 440-3 Special Topics in Postcolonial Literature I  
FNST 306-3 Indigenous Women: Perspectives

**(Page 187)**

ANTH 419-3 Political and Legal Anthropology This course provides a comparative study of power; political organization; leadership; non-centralized and centralized political systems' social control; and a

cross-cultural study of law. Contemporary issues relevant to the north will be addressed, for example self-government and sovereignty.

*Prerequisites:* 60 credit hours or permission of the instructor

*Recommended:* ANTH 102-3 or ANTH 213-3

**5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**(Page 61)**

ANTH 415-3 Economic Anthropology  
~~ANTH 419-3 Political and Legal Anthropology~~  
ANTH 421-3 Ethnographic Field Methods  
ANTH 422-3 Ethnographic Research Project  
ANTH 423-3 Urban Anthropology  
ANTH 460-3 Anthropology Capstone

**(Page 143)**

Global governance and social justice theme

ANTH 406-3 Feminist Perspectives in Anthropology  
ANTH 410-3 Theory of Nation and State  
~~ANTH 419-3 Political and Legal Anthropology~~  
ANTH 420-3 Races, Racism, and Human Biology  
ECON 301-3 Women and the Economy  
ENGL 340-3 Postcolonial Literature  
ENGL 410-3 Contemporary Women’s Literature  
ENGL 440-3 Special Topics in Postcolonial Literature I  
FNST 306-3 Indigenous Women: Perspectives

**(Page 187)**

~~ANTH 419-3 Political and Legal Anthropology This course provides a comparative study of power; political organization; leadership; non-centralized and centralized political systems' social control; and a cross-cultural study of law. Contemporary issues relevant to the north will be addressed, for example self-government and sovereignty.~~

~~*Prerequisites:* 60 credit hours or permission of the instructor~~

~~*Recommended:* ANTH 102-3 or ANTH 213-3~~

**6. Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.03

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state “not applicable”)



Motion Number (assigned by  
Steering Committee of Senate): S-202004.26

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the deletion of the Anthropology courses ANTH 619 Political and Legal Anthropology on page 93 of the 2019/2020 PDF graduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** To update the academic calendar to better represent the courses being taught in the Anthropology department.
3. **Implications of the changes for other programs, etc., if applicable:**  
None
4. **Reproduction of current Calendar entry for the item to be revised:**

**(Page 93)**

ANTH 619-3 Political and Legal Anthropology Comparative study of power; political organization; leadership; non-centralized and centralized political systems social control; and a cross-cultural study of law. Contemporary issues relevant to the north will be addressed, for example self government and sovereignty.

*Prerequisites:* Permission of the instructor

*Precluded:* ANTH 419-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**(Page 93)**

~~ANTH 619-3 Political and Legal Anthropology Comparative study of power; political organization; leadership; non-centralized and centralized political systems social control; and a cross-cultural study of law. Contemporary issues relevant to the north will be addressed, for example self government and sovereignty.~~

~~*Prerequisites:* Permission of the instructor~~

~~*Precluded:* ANTH 419-3~~

6. **Authorization:**

**Program / Academic / Administrative Unit:** Anthropology

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.03

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** (if applicable, or state "not applicable")

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** (if applicable, or state "not applicable")

**7. Other Information**

**Attachment Pages:**   0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.26

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:**   April 8, 2020    
**Date**

**Chair's Signature**

**For recommendation to**   ✓  , **or information of**            **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202004.27

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the list of Research Courses and Elective Courses for the Disability Management MA program, on page 52 of the 2019/2020 graduate calendar (PDF), be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** NURS 703-3 is being removed as an option for the Disability Management MA program. PSYC courses have had course number and/or title changes.
3. **Implications of the changes for other programs, etc., if applicable:** Removal of NURS 703-3 has been discussed with the School of Nursing Graduate Programs Coordinator.
4. **Reproduction of current Calendar entry for the item to be revised:**

### Research Courses

Additional two courses from the following:

EDUC 602-4 Quantitative Research Design and Data Analysis  
EDUC 603-4 Advanced Educational Research Data Analysis  
HHSC 603-3 Community Research Methods  
HHSC 703-3 Qualitative Research Approaches in Health and Human Sciences  
NURS 703-3 Health Program Development and Evaluation  
PSYC 600-4 Quantitative Methods I  
PSYC 605-4 Quantitative Methods II  
SOCW 609-3 Advanced Quantitative Research

Other courses may be substituted or added with the approval of the student's Supervisory Committee.

### Elective Courses

Candidates must complete a minimum of 9 credit hours from the following list:

DISM 720-3 Special Topics  
DISM 798-(3-6) Directed Studies  
ECON 610-3 Health Economics  
ECON 611-3 Cost Benefit Analysis  
EDUC 609-3 Aboriginal/Indigenous Learners: History, Culture, and Ways of Knowing

EDUC 613-3 Interpersonal Counselling Skills  
HHSC 602-3 Organization and Financing of Canadian Health Care  
NURS 604-3 The Healing and Well-being of Indigenous Peoples  
POLS 603-3 Social and Health Policy in the Context of Health and Health Care  
PSYC 620-3 Health Psychology  
SOCW 605-3 Community Work/Politics of Change  
SOCW 698-3 Special Topics

Other courses may be substituted or added with the approval of the student's Supervisory Committee.

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

### **Research Courses**

~~Additional~~ Two additional courses from the following:

EDUC 602-4 Quantitative Research Design and Data Analysis  
EDUC 603-4 ~~Advanced Educational Research~~ Quantitative Data Analysis  
HHSC 603-3 Community Research Methods  
HHSC 703-3 Qualitative Research Approaches in Health and Human Sciences  
~~NURS 703-3 Health Program Development and Evaluation~~  
PSYC 600-4 ~~Quantitative Methods I~~ Univariate Statistics  
PSYC 605-4 ~~Quantitative Methods II~~ Multivariate Statistics  
SOCW 609-3 Advanced Quantitative Research

Other courses may be substituted or added with the approval of the student's Supervisory Committee.

### **Elective Courses**

Candidates must complete a minimum of 9 credit hours from the following list:

DISM 720-3 Special Topics  
DISM 798-(3-6) Directed Studies  
ECON 610-3 Health Economics  
ECON 611-3 Cost-Benefit Analysis  
EDUC 609-3 Aboriginal/Indigenous Learners: History, Culture, and Ways of Knowing  
EDUC 613-3 Interpersonal Counselling Skills  
HHSC 602-3 Organization and Financing of Canadian Health Care  
NURS 604-3 The Healing and Well-being of Indigenous Peoples  
POLS 603-3 Social and Health Policy in the Context of Health and Health Care  
PSYC ~~620~~ 609-3 Health Psychology  
SOCW 605-3 Community Work/Politics of Change  
SOCW 698-3 Special Topics

Other courses may be substituted or added with the approval of the student's Supervisory Committee.





Motion Number (assigned by  
Steering Committee of Senate): S-202004.28

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the Requirements and list of Additional Course Requirements for the Health Sciences MSc Program, on page 62/63 of the 2019/2020 graduate calendar (PDF), be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** NURS 703-3 is being removed as an option for the Health Sciences MSc Program. PSYC 620-3 has changed course number to PSYC 609-3. Other title changes have been updated.
3. **Implications of the changes for other programs, etc., if applicable:** Removal of NURS 703-3 discussed with the School of Nursing Graduate Programs Coordinator.
4. **Reproduction of current Calendar entry for the item to be revised:**

### Requirements

Six courses (18 credit hours) at the graduate level, and a thesis(12 credit hours) are required.

The following courses must be completed by ALL students as part of their program.

EDUC 602-4 Quantitative Research Design and Data Analysis  
or PSYC 600-4 Quantitative Methods I  
or another graduate level statistics course approved by the Program  
HHSC 601-3 Principles of Epidemiology  
HHSC 700-3 Advanced Techniques in Epidemiology  
or HHSC 703-3 Qualitative Research Approaches in Health and Human Sciences  
or a course as chosen in consultation with the supervisory committee, and approved by  
Chair of Health Sciences  
HHSC 795-3 Health Sciences Graduate Seminar

### Additional Course Requirements

Two courses (6 credit hours), chosen in consultation with the supervisor.

Examples of courses taken by Health Sciences MSc students are:

BCMB 702 Chemical Biology Theory and Techniques  
BIOL 625-3 Applied Genetics and Biotechnology

DISM 609-3 Professional Ethics in Health Care Management  
 ECON 610-3 Health Economics  
 HHSC 602-3 Organization and Financing of Canadian Health Care  
 HHSC 603-3 Community Research Methods  
 HHSC 604-3 The Health of First Nations People  
 HHSC 606-3 Health Promotion  
 NURS 604-3 The Healing and Well-being of Indigenous Peoples  
 NURS 701-6 Advanced Clinical Practice in Nursing  
 NURS 703-3 Health Program Planning, Community Development and Evaluation  
 POLS 603-3 Social and Health Policy in the Context of Health and Health Care  
 PSYC 605-4 Quantitative Methods II  
 PSYC 620-3 Health Psychology  
 SOCW 610-3 Wellness: Alternate Approaches

Other courses may be substituted or added with the approval of the student's Supervisory Committee.

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

### Requirements

Six courses (18 credit hours) at the graduate level, and a thesis (12 credit hours) are required.

The following courses must be completed by ALL students as part of their program.

EDUC 602-4 Quantitative Research Design and Data Analysis  
 or PSYC 600-4 ~~Quantitative Methods I~~ Univariate Statistics  
 or another graduate-level statistics course approved by the Program  
 HHSC 601-3 Principles of Epidemiology  
 HHSC 700-3 Advanced Techniques in Epidemiology  
 or HHSC 703-3 Qualitative Research Approaches in Health and Human Sciences  
 or a course as chosen in consultation with the Supervisory Committee, and approved by the Chair of Health Sciences  
 HHSC 795-3 Graduate Seminar in Health Sciences ~~Graduate Seminar~~

### Additional Course Requirements

Two courses (6 credit hours), chosen in consultation with the supervisor.

Examples of courses taken by Health Sciences MSc students are:

BCMB 702-3 Chemical Biology Theory and Techniques  
 BIOL 625-3 Applied Genetics and Biotechnology  
 DISM 609-3 Professional Ethics in Health Care Management  
 ECON 610-3 Health Economics  
 HHSC 602-3 Organization and Financing of Canadian Health Care  
 HHSC 603-3 Community Research Methods

HHSC 604-3 The Health of First Nations People  
 HHSC 606-3 Health Promotion  
 NURS 604-3 The Healing and Well-being of Indigenous Peoples  
 NURS 701-6 Advanced Clinical Practice in Nursing  
~~NURS 703-3 Health Program Planning, Community Development and Evaluation~~  
 POLS 603-3 Social and Health Policy in the Context of Health and Health Care  
 PSYC 605-4 ~~Quantitative Methods II~~ Multivariate Statistics  
 PSYC ~~620~~ 609-3 Health Psychology  
 SOCW 610-3 Wellness: Alternate Approaches

Other courses may be substituted or added with the approval of the student's Supervisory Committee.

**6. Authorization:**

**Program / Academic / Administrative Unit:** School of Health Sciences

**College:** College of Arts, Social and Health Sciences

**SCCC Reviewed:** February 28, 2020

**College Council Motion Number:** **OMNIBUS MOTION: CASHSCC.2020.03.19.11**

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:**

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:**

**7. Other Information**

**Attachment Pages:**   0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.28

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:**   April 8, 2020    
Date

**Chair's Signature**

**For recommendation to**   ✓  , **or information of**            **Senate.**



**UNIVERSITY OF NORTHERN BRITISH COLUMBIA**

*Department of Global & International Studies*

February 3, 2020

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**To:** Dr. Shannon Wagner, A/Dean of the College of Arts, Social and Health Sciences

**From:** Dr. Boris DeWiel, A/Chair of Global and International Studies

**Re:** Summary of INTS motions

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We offer the following motions:

**1. Revision to the preclusions for INTS 407**

We propose to list the mutually precluded graduate courses in order to inform students who may wish to enter the INTS graduate program that they will not be able to take the graduate-level versions.

**2. New course: INTS 425 - Sustainability Problem Solving**

This is a course for a new faculty member.

**3. New course: INTS 625**

This is the graduate-level cross-listing for INTS 425, listed above.

**4. New course: INTS 607**

This is a replacement for an older course that was regularly offered as a 698 shell.

**5. Changes to MA INTS Program Requirements**

We propose to add two courses that were created as replacements for older courses that were listed in the requirements as 698 shells.

Motion Number (assigned by  
Steering Committee of Senate): S-202004.29

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the course preclusions for INTS 407-3, Global Economy and Development, on page 247 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:** Graduate course preclusions have been added. This clarifies for students who may enter the graduate program with a UNBC degree which includes INTS 407-3 that their graduate program of study cannot include ECON 601-3 or INTS 607-3.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

INTS 407-3 Global Economy and Development

This course is an analysis of the evolution of the global economy, and an assessment of competing theories of the global economy. The prospects for developing countries within the global economy are examined.

*Prerequisites:* ECON 100-3, ECON 101-3 and ECON 311-3, or permission of the instructor

*Precluded:* ECON 401-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

INTS 407-3 Global Economy and Development

This course ~~is an analysis of~~ analyzes the evolution of the global economy, ~~and an assessment of~~ assesses competing theories of the global economy. The prospects for developing countries within the global economy are examined.

*Prerequisites:* ECON 100-3, ECON 101-3 and ECON 311-3, or permission of the instructor

*Precluded:* ECON 401-3, ECON 601-3, INTS 607-3

6. **Authorization:** (Please ignore — Section to be completed by Committee Recording Secretaries)

**Program / Academic / Administrative Unit:** Global and International Studies

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.06

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable



Motion Number (assigned by  
Steering Committee of Senate): S-202004.30

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**NEW COURSE APPROVAL MOTION FORM**

**Motion:** That the new course INTS 425-3, Sustainability Problem Solving be approved as follows:

**A. Description of the Course**

1. **Proposed semester of first offering:** September 2020
2. **Academic Program:** Global and International Studies
3. **Course Subject, Number\*, and Credit hours (e.g. CHEM 210-3):** INTS 425-3
4. **Course Title:** Sustainability Problem Solving
5. **Goal(s) of Course:** To provide students with advanced knowledge of theory and practice for addressing key global sustainability issues.

**6. Calendar Course Description:**

Can we fix it? This course focuses on critical, strategic, and lateral-thinking skills. Local to global sustainability issues are explored in dynamic and future contexts using the contemporary concepts of vulnerability, adaptation, adaptive capacity, and resilience. Students gain valuable experience in the use of analytical and creative tools including systems thinking, complexity mapping, mental models, and scenario development. Examples are drawn from the Arctic, Pacific Islands Region, Australia, and South America.

7. **Credit Hours:** 3 credit hours (Normally, UNBC courses are 3 credit hours and may not be repeated for additional credit. If this course falls outside the norm, please complete sections "a)" and "b)" below).

**a) Can the course be repeated for credit if the subject matter differs substantially?**

Yes\*        No   X  

\* If "yes," please indicate the maximum number\*\* of credit hours which may be applied to a student's degree using this course:   #  

\*\* If the course may be taken more than once but will only ever be offered for 3 credit hours, for example, per offering, the credit hours are simply expressed as "3" and the following notation (with the correct number of credit hours noted) is included within the Calendar Course Description:  
*"This course may be repeated to a maximum of XX credit hours if the material is substantially different."*

**b) Is variable credit available for this course?** Yes        No   X  

Variable credit is denoted by the following examples:





### C. Relation to Other Program Areas

1. Identify courses in other UNBC Programs that overlap with this course; describe the overlap and comment on its significance:

- The course may be of possible interest to students in other disciplines that focus on an aspect of global environmental sustainability such as Geography, Political Science, First Nations Studies, Environmental Studies, Environmental Science, Anthropology, Biology and Environmental Planning.

2. Is a preclusion required? Yes \_\_\_\_\_ No  X

3. If there is an overlap, and no preclusion is required, please explain why not:

4. Has this overlap been discussed with the Program concerned? Not applicable

5. In offering this course, will UNBC require facilities or staff at other institutions?

Yes \_\_\_\_\_ No  X

If yes, please describe requirements:

6. Is this course replacing an existing course that is included in one or more transfer agreements with external institutions?

Yes \_\_\_\_\_ No  X

If **“yes,”** please contact the Articulation Officer in the Office of the Registrar.

### D. Resources required

1. Please describe ADDITIONAL resources required over the next five years to offer this course.

- i. College Staffing: None
- ii. Space (classroom, laboratory, storage, etc.): None
- iii: Library Holdings: See attached form
- iv. Computer (time, hardware, software): None

### E. Additional Attached Materials None

### F. Other Considerations

1. First Nations Content\*: Yes\*\* \_\_\_\_\_ No  X

\* *Whether a new course has First Nations content is to be determined by the relevant College Council(s).*

\*\*If **“yes,”** refer the motion to the Senate Committee on First Nations and Aboriginal Peoples **prior to** SCAAF.

2. Other Information:

3. Attachment Pages (in addition to required "Library Holdings" Form): 0 pages

**G. Authorization**

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.06

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.30

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:** April 8, 2020  
Date

\_\_\_\_\_  
Chair's Signature

For recommendation to ✓, or information of \_\_\_\_\_ Senate.

**Library Holdings Form**  
(to be submitted with SCAAF New Course Approval Motion Form)

**PROPOSED NEW COURSE:** INTS 425-3, Sustainability Problem Solving

**Library Holdings** (to be completed by the appropriate Librarian):

- a) Are current library holdings adequate?    Yes ✓    No \_\_\_\_\_
- b) If no to a), what monographs / periodicals / E-resources will be needed, and at what estimated cost?
- 
- 
- 
- 
- 
- 
- 
- 
- 
- 
- c) If no to a), what is the proposed funding source?

  
\_\_\_\_\_  
University Librarian (or designate) signature  
  
Keelin  
McCabe

10 JAN 2020  
\_\_\_\_\_  
Date

Motion Number (assigned by  
Steering Committee of Senate):   S-202004.31  

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**NEW COURSE APPROVAL MOTION FORM**

**Motion:** That the new course INTS 625-3, Sustainability Problem Solving be approved as follows:

**A. Description of the Course**

1. **Proposed semester of first offering:** September 2020
2. **Academic Program:** Global and International Studies
3. **Course Subject, Number\*, and Credit hours (e.g. CHEM 210-3):** INTS 625-3
4. **Course Title:** Sustainability Problem Solving
5. **Goal(s) of Course:** To provide students with advanced knowledge of theory and practice for addressing key global sustainability issues.

**6. Calendar Course Description:**

Can we fix it? This advanced course focuses on critical, strategic, and lateral-thinking skills. Local to global sustainability issues are explored in dynamic and future contexts using the contemporary concepts of vulnerability, adaptation, adaptive capacity, and resilience. Students gain valuable experience in the use of analytical and creative tools including systems thinking, complexity mapping, mental models, and scenario development. Examples are drawn from the Arctic, Pacific Islands Region, Australia, and South America.

7. **Credit Hours:**   3   credit hours (Normally, UNBC courses are 3 credit hours and may not be repeated for additional credit. If this course falls outside the norm, please complete sections "a)" and "b)" below).

**a) Can the course be repeated for credit if the subject matter differs substantially?**

Yes\*        No   X  

\* If "yes," please indicate the maximum number\*\* of credit hours which may be applied to a student's degree using this course:   #  

\*\* If the course may be taken more than once but will only ever be offered for 3 credit hours, for example, per offering, the credit hours are simply expressed as "3" and the following notation (with the correct number of credit hours noted) is included within the Calendar Course Description:  
*"This course may be repeated to a maximum of XX credit hours if the material is substantially different."*

**b) Is variable credit available for this course?** Yes        No   X  

Variable credit is denoted by the following examples:

- i) "3-6": in this example, the course may be offered for 3, 4, 5, OR 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3-6).
- ii) "3,6": in this example, the course may be offered for EITHER 3 or 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3,6).

**8. Contact Hours (per week):**

Lecture \_\_\_\_\_ Seminar 3  
 Laboratory \_\_\_\_\_ Other (please specify) \_\_\_\_\_

**9. Prerequisites (taken prior):** None

**10. Prerequisites with concurrency (taken prior or simultaneously):** (if none, please state "none")

**11. Co-requisites (must be taken simultaneously):** (if none, please state "none")

**12. Preclusions:** INTS 425-3

**13. Course Equivalencies:** None

**14. Grade Mode:** NORMAL (i.e., alpha grade)

**15. Course to be offered:** each semester \_\_\_\_\_  
 each year \_\_\_\_\_  
 alternating years X

**16. Proposed text / readings:** (readings selected by Instructor depending on topic selection.

**B. Significance Within Academic Program)**

- 1. Anticipated enrolment 8
- 2. If there is a proposed enrolment limit, state the limit and explain: No
- 3. Required for: Major: \_\_\_\_\_ Minor: \_\_\_\_\_ Other: \_\_\_\_\_
- 4. Elective in: Major: \_\_\_\_\_ Minor: \_\_\_\_\_ Other: \_\_\_\_\_
- 5. Course required by another major/minor: N/A
- 6. Course required or recommended by an accrediting agency: N/A
- 7. Toward what degrees will the course be accepted for credit? N/A
- 8. What other courses are being proposed within the Program this year? INTS 425-3
- 9. What courses are being deleted from the Program this year? None planned

**C. Relation to Other Program Areas**

- 1. Identify courses in other UNBC Programs that overlap with this course; describe the overlap and comment on its significance:

- The course may be of possible interest to graduate students in other disciplines that focus on an aspect of global environmental sustainability such as NRES, Geography, Political Science, First Nations Studies, Environmental Studies, Environmental Science, Anthropology, Biology and Environmental Planning.

2. Is a preclusion required? Yes \_\_\_\_\_ No  X

3. If there is an overlap, and no preclusion is required, please explain why not:

4. Has this overlap been discussed with the Program concerned? Not applicable

5. In offering this course, will UNBC require facilities or staff at other institutions?

Yes \_\_\_\_\_ No  X

If yes, please describe requirements:

6. Is this course replacing an existing course that is included in one or more transfer agreements with external institutions?

Yes \_\_\_\_\_ No  X

If **“yes,”** please contact the Articulation Officer in the Office of the Registrar.

#### D. Resources required

1. Please describe ADDITIONAL resources required over the next five years to offer this course.

i. College Staffing: None

ii. Space (classroom, laboratory, storage, etc.): None

iii: Library Holdings: See attached form

iv. Computer (time, hardware, software): None

E. Additional Attached Materials None

#### F. Other Considerations

1. First Nations Content\*: Yes\*\* \_\_\_\_\_ No  X

\* *Whether a new course has First Nations content is to be determined by the relevant College Council(s).*

\*\*If **“yes,”** refer the motion to the Senate Committee on First Nations and Aboriginal Peoples **prior to** SCAAF.

2. Other Information: None

3. Attachment Pages (in addition to required “Library Holdings” Form):  0  pages

**G. Authorization**

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.06

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.31

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:** April 8, 2020  
Date

\_\_\_\_\_  
Chair's Signature

**For recommendation to**  \_\_\_\_\_, **or information of** \_\_\_\_\_ **Senate.**



**Library Holdings Form**  
(to be submitted with SCAAF New Course Approval Motion Form)


**PROPOSED NEW COURSE:** INTS 625-3, Sustainability Problem Solving

**Library Holdings** (to be completed by the appropriate Librarian):

a) Are current library holdings adequate?    Yes   ✓      No       

b) If no to a), what monographs / periodicals / E-resources will be needed, and at what estimated cost?

c) If no to a), what is the proposed funding source?

  
\_\_\_\_\_  
University Librarian (or designate) signature  
Keatim McCabe

10 JAN 2020  
\_\_\_\_\_  
Date

Motion Number (assigned by  
Steering Committee of Senate): S-202004.32

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### NEW COURSE APPROVAL MOTION FORM

**Motion:** That the new course INTS 607-3, Global Economy and Development be approved as follows:

#### **A. Description of the Course**

- 1. Proposed semester of first offering:** September 2020
- 2. Academic Program:** Global and International Studies
- 3. Course Subject, Number\*, and Credit hours (e.g. CHEM 210-3):** INTS 607-3
- 4. Course Title:** Global Economy and Development
- 5. Goal(s) of Course:** To enable students to critically engage with the concepts 'economic globalization' and 'development' by understanding and analyzing the post-1945 global political economy. The course enables students to appreciate development debates and how they changed over time.

#### **6. Calendar Course Description:**

This advanced course analyzes the evolution and assesses competing theories of the global economy. The prospects for developing countries within the global economy are examined.

- 7. Credit Hours:**   3   credit hours (Normally, UNBC courses are 3 credit hours and may not be repeated for additional credit. If this course falls outside the norm, please complete sections "a)" and "b)" below).

#### **a) Can the course be repeated for credit if the subject matter differs substantially?**

Yes\*        No   X  

\* If "yes," please indicate the maximum number\*\* of credit hours which may be applied to a student's degree using this course:   #  

\*\* If the course may be taken more than once but will only ever be offered for 3 credit hours, for example, per offering, the credit hours are simply expressed as "3" and the following notation (with the correct number of credit hours noted) is included within the Calendar Course Description:

*"This course may be repeated to a maximum of XX credit hours if the material is substantially different."*

#### **b) Is variable credit available for this course? Yes        No   X**

Variable credit is denoted by the following examples:

- i) **"3-6"**: in this example, the course may be offered for 3, 4, 5, OR 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3-6).

ii) "3,6": in this example, the course may be offered for EITHER 3 or 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3,6).

**8. Contact Hours (per week):**

Lecture # \_\_\_\_\_

Seminar   3  

Laboratory # \_\_\_\_\_

Other (please specify) \_\_\_\_\_

**9. Prerequisites (taken prior):** None

**10. Prerequisites with concurrency (taken prior or simultaneously):** None

**11. Co-requisites (must be taken simultaneously):** None

**12. Preclusions:** INTS 407-3, ECON 401-3, ECON 601-3

**13. Course Equivalencies:** ECON 601-3

**14. Grade Mode:** NORMAL (i.e., alpha grade)

**15. Course to be offered:** each semester \_\_\_\_\_  
each year   X    
alternating years \_\_\_\_\_

**16. Proposed text / readings:**

(1) Henry Veltmeyer and Paul Bowles (eds.), *The Essential Guide to Critical Development Studies*, New York: Routledge, 2018.

**B. Significance Within Academic Program**

**1. Anticipated enrolment**   6  

**2. If there is a proposed enrolment limit, state the limit and explain:**   No  

**3. Required for:** Major: \_\_\_\_\_ Minor: \_\_\_\_\_ Other: \_\_\_\_\_

**4. Elective in:** Major: \_\_\_\_\_ Minor: \_\_\_\_\_ Other: \_\_\_\_\_

**5. Course required by another major/minor:** N/A

This course, in its ECON 601-3 incarnation, is required by the MA Development Economics program.

**6. Course required or recommended by an accrediting agency:** N/A

**7. Toward what degrees will the course be accepted for credit?** N/A

**8. What other courses are being proposed within the Program this year?** INTS 425-3/625-3

**9. What courses are being deleted from the Program this year?** None planned

### C. Relation to Other Program Areas

1. Identify courses in other UNBC Programs that overlap with this course; describe the overlap and comment on its significance:

ECON 601-3 (cross-listed)

2. Is a preclusion required? Yes  No

3. If there is an overlap, and no preclusion is required, please explain why not:  
N/A

4. Has this overlap been discussed with the Program concerned? Yes  No

5. In offering this course, will UNBC require facilities or staff at other institutions?

Yes \_\_\_\_\_ No

If yes, please describe requirements:

6. Is this course replacing an existing course that is included in one or more transfer agreements with external institutions?

Yes \_\_\_\_\_ No

If "yes," please contact the Articulation Officer in the Office of the Registrar.

### D. Resources required

1. Please describe ADDITIONAL resources required over the next five years to offer this course.

- i. College Staffing: None
- ii. Space (classroom, laboratory, storage, etc.): None
- iii. Library Holdings: See attached form
- iv. Computer (time, hardware, software): None

### E. Additional Attached Materials

None

### F. Other Considerations

1. First Nations Content\*: Yes\*\* \_\_\_\_\_ No

\* Whether a new course has First Nations content is to be determined by the relevant College Council(s).

\*\*If "yes," refer the motion to the Senate Committee on First Nations and Aboriginal Peoples prior to SCAAF.

2. Other Information:



**Library Holdings Form**  
(to be submitted with SCAAF New Course Approval Motion Form)


**PROPOSED NEW COURSE:** INTS 607-3, Global Economy and Development

**Library Holdings** (to be completed by the appropriate Librarian):

a) Are current library holdings adequate?    Yes   ✓      No       

b) If no to a), what monographs / periodicals / E-resources will be needed, and at what estimated cost?

c) If no to a), what is the proposed funding source?

  
\_\_\_\_\_  
University Librarian (or designate) signature  
Keelin  
MCCABE

10 JAN 2020  
\_\_\_\_\_  
Date

Motion Number (assigned by  
Steering Committee of Senate): S-202004.33

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the International Studies (MA Program), on page 68 of the PDF calendar of the 2019/2020 graduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** Two courses which are included in the program of study have now been given approved course numbers. This is a housekeeping revision deleting the 698 numbers and replacing them with the new course numbers (INTS 620 and INTS 621).

The other revision is to include a new faculty member to the list of graduate supervisors.

3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

### International Studies (MA Program)

Graduate supervisors are normally drawn from the Departments of Economics and International Studies.

Paul Bowles, Professor  
Fiona MacPhail, Professor  
Chris Opio, Professor  
Jalil Safaei Boroojeny, Professor  
Heather Smith, Professor  
Baotai Wang, Professor  
Gary Wilson, Professor  
Karima Fredj, Associate Professor  
Jacqueline Holler, Associate Professor  
Angèle Smith, Associate Professor  
Nathan Andrews, Assistant Professor

Website: [www.unbc.ca/international-studies-graduate-program](http://www.unbc.ca/international-studies-graduate-program)

UNBC's innovative and interdisciplinary Master's degree in International Studies focuses on two of the most pressing and interlinked issues of our time: Global Development and Environment. The program draws on courses from 11 different graduate programs and is managed jointly by the Departments of Global and International Studies and Economics.

Global development, broadly understood as processes that affect people(s), regions and/or countries in the Global South and northern areas including the Arctic, is examined from multiple perspectives. These perspectives include those of international agencies and civil society organizations as well as from both mainstream and critical approaches to development studies. The challenges facing the global environment and potential solutions are analysed. Interactions between global development and the environment and between local and global scales are examined.

Financial assistance in the form of teaching assistantships is available to some full-time students, in accordance with University regulations.

## Requirements

All students are normally admitted into a course-based program. Students wishing to transfer to a thesis- or a research paper-based program may apply to do so after completing 12 credit hours and in accordance with program rules.

Students are required to take courses which satisfy requirements in (i) global development; (ii) research methods; (iii) global environment; and (v) two elective courses. Courses may be taken in any order.

Required Courses:

Global Development: Theory and Institutions

One of the following:

- ECON 601-3 Global Economy and Development
- ECON 604-3 Poverty, Inequality and Development
- INTS 698-3 International Regimes
- POLS 615-3 Comparative Northern Development

Research Methods

INTS 700-3 Research Methods in Global Studies

Global Environment: Policies and Practices

One of the following:

- ANTH 613-3 Environmental Anthropology
- ECON 625-3 Trade and the Environment
- HIST 704-3 Themes in Environmental History
- INTS 698-3 Political Economy of Natural Resource Extraction
- INTS 670-3 International Environmental Policy
- NRES 703-3 Integrated Resource Management

Electives:

Two of the following:

- ANTH 601-3 Anthropological Perspectives on Inequality
- ANTH 604-3 Comparative Study of Indigenous Peoples of the World
- ECON 610-3 Health Economics
- ECON 611-3 Cost-Benefit Analysis
- ENVS 602-3 Environment and Natural Resources Issues and Ethics
- FNST 606-3 Indigenous Issues in International Perspective
- FNST 607-3 Indigenous Perspective on Race, Class, Gender and Power
- FNST 613-3/ Themes in Aboriginal Women's Studies
- GNDR 613-3
- GEOG 603-3 First Nations and Indigenous Geographies
- GEOG 626-3 Geographies of Culture, Rights and Power
- GNDR 611-3 Contemporary Feminist Theories
- HIST 702-3 Themes in Indigenous History
- ORTM 603-3 International Dimensions of Recreation and Tourism
- POLS 613-3 Democracy and Diversity

Additional courses from the Global Development and Global Environment options can also be selected as electives.

In addition, students are required to pass:

INTS 702-0.5 Graduate Colloquia\*

\*All students must complete INTS 702-0.5 Graduate Colloquia twice during their program of study.



Students then complete one of the following:

- i) a course-based program by completing 9 credit hours of further graduate coursework. Students in the course-based program must complete at least 6 credit hours of coursework from the Global Development options, 6 credit hours from the Global Environment options, and have courses from at least three different subject areas;
- ii) a research paper-based program by completing 6 credit hours of further graduate coursework from all courses listed above (at least 3 credit hours of which must be from the Global Development or Global Environment options) and a 3 credit hour Research Paper;
- iii) a thesis-based program requiring a 12 credit hour thesis (INTS 799-12)

All course selections (and course substitutions) require Chair approval.

Application deadlines are found in this calendar under Admissions and Regulations, or online at [www.unbc.ca/calendar/graduate](http://www.unbc.ca/calendar/graduate) (under Semester Dates). The International Studies MA Program accepts students for the September and January Semesters.

For additional information about graduate admissions or to download application materials, go to the Graduate Programs website at [www.unbc.ca/graduate-programs](http://www.unbc.ca/graduate-programs).

## **5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

### International Studies (MA Program)

Graduate supervisors are normally drawn from the Departments of Economics and International Studies.

Paul Bowles, Professor  
Fiona MacPhail, Professor  
Chris Opio, Professor  
Jalil Safaei Boroojeny, Professor  
Heather Smith, Professor  
Baotai Wang, Professor  
Gary Wilson, Professor  
Karima Fredj, Associate Professor  
Jacqueline Holler, Associate Professor  
Tristan Pearce, Associate Professor  
Angèle Smith, Associate Professor  
Nathan Andrews, Assistant Professor

Website: [www.unbc.ca/international-studies-graduate-program](http://www.unbc.ca/international-studies-graduate-program)

UNBC’s innovative and interdisciplinary Master’s degree in International Studies focuses on two of the most pressing and interlinked issues of our time: Global Development and Environment. The program draws on courses from 11 different graduate programs and is managed jointly by the Departments of Economics and the Department of Global and International Studies, ~~and Economics~~.

~~Global development, broadly understood as processes that affect people(s), regions and/or countries in the Global South and northern areas including the Arctic, global development is examined from multiple perspectives. These perspectives include those of international agencies and civil society organizations, as well as from both mainstream and critical approaches to development studies are examined.~~ The challenges facing the global environment and potential solutions are analysed. Interactions between global development and the environment and between local and global scales are examined.

Financial assistance in the form of teaching assistantships is available to some full-time students, in accordance with University regulations.

### Requirements

All students are normally admitted into a course-based program. Students wishing to transfer to a thesis- or a research paper-based program may apply to do so in accordance with program rules after completing 12 credit hours.

Students are required to take courses which that satisfy requirements as listed below in Global Development: Theory and Institutions; Research Methods; and Global Environment: Policies and Practices. ~~-(i) global development; (ii) research methods; (iii) and global environment; and (iv)~~ Two elective courses are also required. Courses may be taken in any order.

Required Courses:

Global Development: Theory and Institutions

One of the following:

ECON 601-3 Global Economy and Development  
ECON 604-3 Poverty, Inequality and Development  
INTS ~~620 698~~-3 International Regimes  
POLS 615-3 Comparative Northern Development

Research Methods

INTS 700-3 Research Methods in Global Studies

Global Environment: Policies and Practices

One of the following:

ANTH 613-3 Environmental Anthropology  
ECON 625-3 Trade and the Environment  
HIST 704-3 Themes in Environmental History  
INTS ~~621 698~~-3 The Political Economy of Natural Resource Extraction  
INTS 670-3 International Environmental Policy  
NRES 703-3 Integrated Resource Management

Electives:

Two of the following:

ANTH 601-3 Anthropological Perspectives on Inequality  
ANTH 604-3 Comparative Study of Indigenous Peoples of the World  
ECON 610-3 Health Economics  
ECON 611-3 Cost-Benefit Analysis  
ENVS 602-3 Environment and Natural Resources Issues and Ethics  
FNST 606-3 Indigenous Issues in International Perspective  
FNST 607-3 Indigenous Perspective on Race, Class, Gender and Power  
FNST 613-3/GNDR 613-3 Themes in Aboriginal Women's Studies  
GEOG 603-3 First Nations and Indigenous Geographies  
GEOG 626-3 Geographies of Culture, Rights and Power  
GNDR 611-3 Contemporary Feminist Theories  
HIST 702-3 Themes in Indigenous History  
ORTM 603-3 International Dimensions of Recreation and Tourism  
POLS 613-3 Democracy and Diversity

Additional courses from the Global Development and Global Environment options can also be selected as electives.

In addition, students are required to pass:

INTS 702-0.5 Graduate Colloquia\*

\*All students must complete INTS 702-0.5 Graduate Colloquia twice during their program of study.

Students then complete one of the following:

i) a course-based program ~~by completing~~ consisting of 9 credit hours of further graduate coursework. Students in the course-based program must complete at least 6 credit hours of coursework from the Global Development options, 6 credit hours from the Global Environment options, and have courses from at least three different subject areas;

ii) a research paper-based program ~~by completing~~ consisting of 6 credit hours of further graduate coursework from all courses listed above (at least 3 credit hours of which must be from the Global Development or Global Environment options) and a 3 credit hour Research Paper;

iii) a thesis-based program ~~by completing~~ consisting of a 12 credit hour thesis (INTS 799-12).

All course selections (and course substitutions) require Chair approval.

Application deadlines are found in this calendar under Admissions and Regulations, or online at [www.unbc.ca/calendar/graduate](http://www.unbc.ca/calendar/graduate) (under Semester Dates). The International Studies MA Program accepts students for the September and January Semesters.

For additional information about graduate admissions or to download application materials, go to the Graduate Programs website at [www.unbc.ca/graduate-programs](http://www.unbc.ca/graduate-programs).

**6. Authorization:**

**Program / Academic / Administrative Unit:** Global and International Studies

**SCCC Reviewed:** January 28, 2020

**College:** CASHS

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.06

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**7. Other Information**

**Attachment Pages:**  0  pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.33

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:**  April 8, 2020   
**Date**

**Chair's Signature**

**For recommendation to**  ✓ , **or information of**   **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202004.24

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**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the change to the course description for NURS 619-3 Qualitative Research in Nursing and Health, on page 124 of the 2019/2020 graduate calendar (PDF), be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** The course prepares students for both the thesis and project options of the Master of Science in Nursing degree.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

**NURS 619-3 Qualitative Research in Nursing and Health**

This course explores various approaches to qualitative research in nursing and health, beginning with the epistemological and ontological commitments. Approaches normally examined include qualitative description, phenomenology, participatory action research, feminist research, grounded theory and forms of ethnography. Practical concerns encountered in undertaking qualitative research, including issues of ethics and rigour, are explored. This course aims to prepare students to undertake a qualitative thesis.

Prerequisites: NURS 618-3

Precluded: EDUC 610-4, GNDR 609-3, HHSC 703-3, and NURS 609-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**NURS 619-3 Qualitative Research in Nursing and Health**

This course explores various approaches to qualitative research in nursing and health, beginning with the epistemological and ontological commitments. Approaches ~~normally examined~~ may include qualitative description, phenomenology, participatory action research, feminist research, grounded theory, and forms of ethnography. Practical concerns encountered in undertaking qualitative research, including issues of ethics and rigour, are explored. ~~This course aims to prepare students to undertake a qualitative thesis.~~

Prerequisites: NURS 618-3

Precluded: EDUC 610-4, GNDR 609-3, HHSC 703-3, and NURS 609-3



Motion Number (assigned by  
Steering Committee of Senate): S-202004.35

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the course description for NURS 620-3 Quantitative Research in Nursing and Health, on page 124 of the 2019/2020 graduate calendar (PDF), be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** The course prepares students for the thesis and project options of the Master of Science in Nursing degree.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

**NURS 620-3 Quantitative Research in Nursing and Health**

This course introduces students to a range of quantitative research designs, methods and statistical approaches that are commonly used in nursing practice, nursing education and health care. This course exposes students to the methodological tools required to undertake a thesis.

Prerequisites: NURS 618-3

Precluded: NURS 610-3 and SOCW 609-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**NURS 620-3 Quantitative Research in Nursing and Health**

This course introduces students to a range of quantitative research designs, methods and statistical approaches that are commonly used in nursing practice, nursing education and health care. This course exposes students to ~~the~~ methodological tools, ~~required to~~ undertake a thesis.

Prerequisites: NURS 618-3

Precluded: NURS 610-3 and SOCW 609-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** School of Nursing

**College:** College of Arts, Social and Health Sciences

**SCCC Reviewed:** February 28, 2020

College Council Motion Number: **OMNIBUS MOTION: CASHSCC.2020.03.19.10**

College Council Approval Date: March 19, 2020

Senate Committee on First Nations and Aboriginal Peoples Motion Number:

Senate Committee on First Nations and Aboriginal Peoples Meeting Date:

7. Other Information

Attachment Pages:   0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.: SCAAF202004.35**

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** **CARRIED**

**Attachments:** 0



**Approved by SCAAF:** April 8, 2020  
**Date**

\_\_\_\_\_  
**Chair's Signature**

**For recommendation to**   ✓  , **or information of** \_\_\_\_\_ **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): S-202004.36

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the addition of a major restriction to the NURS 703-3 Health Program Planning, Community Development and Evaluation course description, on pages 124/125 of the 2019/2020 graduate calendar (PDF), be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** This course is being restricted to the Master of Science in Nursing (thesis or project option) and Master of Science in Nursing (Family Nurse Practitioner) students due to high enrollment. Permission of Chair for other programs if seats are available.
3. **Implications of the changes for other programs, etc., if applicable:** Removal of course from other programs has been discussed with the Chairs.
4. **Reproduction of current Calendar entry for the item to be revised:**

**NURS 703-3 Health Program Planning, Community Development and Evaluation**

This course addresses health program planning, community development and program evaluation informed by epidemiological and community engagement approaches. Tools and processes for implementation are linked to strategies for continuous quality improvement. Evaluation competencies are examined through an ethical lens to consider how programs can be tailored for context. The contextual focus for this course is on rural, northern, and Indigenous communities.

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**NURS 703-3 Health Program Planning, Community Development and Evaluation**

This course addresses health program planning, community development, and program evaluation informed by epidemiological and community engagement approaches. Tools and processes for implementation are linked to strategies for continuous quality improvement. Evaluation competencies are examined through an ethical lens to consider how programs can be tailored for context. The contextual focus for this course is on rural, northern, and Indigenous communities.

**Major Restriction:** Master of Science in Nursing (Thesis or Project Option) or Master of Science in Nursing (Family Nurse Practitioner) students, or permission of the Chair

6. **Authorization:**

**Program / Academic / Administrative Unit:** School of Nursing





**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED MOTION**

**Motion:** That the Northern Collaborative Baccalaureate Nursing Program (NCBNP) Memorandum of Understanding between the University of Northern British Columbia, the College of New Caledonia, and Coast Mountain College be approved as proposed.

**Effective Date:** May 1, 2020

**Rationale:** This revised, agreed upon by our College partners, memorandum of understanding (MOU) is between the University of Northern British Columbia (UNBC), the College of New Caledonia (CNC), and Coast Mountain College (CMTN) (partnering institutions). The MOU describes the mutual interests and responsibilities of the partners in operationalizing the Northern Collaborative Baccalaureate Nursing Program (NCBNP), as approved by the British Columbia College of Nursing Professionals (BCCNP) and the Canadian Association of Schools of Nursing (CASN), leading to a UNBC Bachelor of Science in Nursing (BScN) degree. It marks the first time the MOU has been revised since the inception of the NCBNP.

The purposes of the MOU are: to instill effective strategic and operational collaborative oversight of the NCBNP; to guarantee that the NCBNP's academic, support and physical resource requirements provided by UNBC, CNC and CMTN maximize the strengths and synergies through the shared delivery of the collaborative program; to ensure that the NCBNP meets the regulatory requirements of the British Columbia College of Nursing Professionals (BCCNP) Education Program Review Committee and the accreditation standards of the Canadian Association of Schools of Nursing (CASN); and to support student success and a post-secondary quality student experience across all three partners for all those enrolled in the NCBNP that operates as a 4-year integrated program.

**Motion proposed by:** Dr. Sylvia Barton

**Academic Program:** School of Nursing

**Implications for Other Programs / Faculties?** None

College: College of Arts, Social and Health Sciences

College Council Motion Number: OMNIBUS MOTION: CASHSCC.2020.03.19.10

College Council Approval Date: March 19, 2020

**Attachment Pages (if applicable):** 30 pages



January 29, 2020

## MEMORANDUM OF UNDERSTANDING

Between

**The University of Northern British Columbia  
College of New Caledonia  
Coast Mountain College**

Collectively

### **The Northern Collaborative Baccalaureate Nursing Program (NCBNP)**

This memorandum of understanding (MOU) is between the University of Northern British Columbia (UNBC), the College of New Caledonia (CNC) and Coast Mountain College (CMTN) (herein called the partnering institutions). The MOU describes the mutual interests and responsibilities of the partners in operationalizing the Northern Collaborative Baccalaureate Nursing Program (NCBNP), as approved by the British Columbia College of Nursing Professionals (BCCNP) and the Canadian Association of Schools of Nursing (CASN), leading to a UNBC Bachelor of Science in Nursing (BScN) degree. The NCBNP is one of the larger and more complex of the 15 baccalaureate registered nursing programs in the Province, producing approximately 10% of the new graduates from B.C. programs each year. The NCBNP is a 4-year integrated program delivered through the strategic and operative collaboration of three partnering institutions at six host campuses:

1) UNBC - Prince George campus, Quesnel campus, and Terrace campus, 2) CNC - Prince George campus and Quesnel campus, and 3) CMTN - Terrace campus. Only two host campuses, UNBC campus and CNC campus, are housed together in one standalone building located in Quesnel. All of the other four campuses are standalone separate campuses: two in Prince George and two in Terrace. The NCBNP is the only BScN degree offered in the northern 2/3rds of the province, and aims at annually graduating a total of 152 students (104 in Prince George, 24 in Quesnel and 24 in Terrace), of whom provide approximately 70% of new degree nursing hires employed by the Northern Health Authority. NCBNP graduates provide an essential pipeline of degree prepared nurses into the B.C. healthcare workforce, especially to the 300,000 indigenous and non-indigenous B.C. residents who live and work within the northern 2/3rds of the province (an area of 600,000 square kilometers) and are served by First Nations Health Authority and Northern Health Authority. NCBNP graduates are integral to the Ministry of Health's and Ministry of Advanced Education, Skills and Training's mandates aimed at the delivery of quality healthcare to the citizens of B.C. now and into the future.

### **1. Goals, Purposes, and Principles of the MOU Partnership and Program**

A. The overarching goals of the MOU are:

- To instill effective strategic and operational collaborative oversight of the NCBNP
- To guarantee that the NCBNP's academic, support and physical resource requirements provided by UNBC, CNC and CMTN (Refer to Appendix A) maximize the strengths and synergies through the shared delivery of the collaborative program
- To ensure that the NCBNP meets the regulatory requirements of the British Columbia College of Nursing Professionals (BCCNP) Education Program Review Committee and the accreditation standards of the Canadian Association of Schools of Nursing (CASN)
- To support student success and a post-secondary quality student experience across all three partners for all those enrolled in the NCBNP that operates as a 4-year integrated program.

- B. The purposes of the NCBNP partnerships are to provide students with an outstanding undergraduate nursing education, a high quality educational experience and the preparation necessary to succeed as Registered Nurses upon graduation. These purposes will be achieved by:
- Using resources across the three partners successfully, efficiently and cost-effectively
  - Committing to providing students with innovative and dynamic teaching and learning environments through a process of continuous quality improvement for the NCBNP
  - Ensuring that NCBNP graduates meet professional discipline degree requirements and master key professional competencies required for Registered Nurse licensure and entry-to-practice opportunities; sustained through an ongoing strong partnership with the Northern Health Authority and a practice-driven approach to nursing education – a unique approach in Canada that ensures responsive, relevant nursing education.
- C. The Partners agree that the 4-year integrated NCBNP will be guided by the following principles:
- **Commitment to the Partnerships:** Agreement that the partners are committed to outcomes that result in the delivery of a seamless 4-year integrated program to students through the effective and efficient shared use of academic, support and physical resources, including and not limited to financial resources, human resources and material resources
  - **Resolve to Increase Student Retention:** The partners are committed to providing appropriate sustainable institutional resources to mitigate attrition and increase student retention. Each partner will combine its own institutional resources (professors, financial aid, academic advising, etc.) and create intervention plans for vulnerable students as they progress through the years in order to increase retention
  - **Appropriate Representation:** Agreement that each institution is appropriately represented at most, if not all, tables including those internal to the NCBNP and with external organizations, such as government, Canadian Association of Schools of Nursing, Nurse Educators Council of B.C., the Northern Health Authority, and First Nations Health Authority
  - **Collaborative, Evidence Informed Decision-Making:** While UNBC is the degree granting institution, decisions about changes to curriculum will be made collaboratively by the partners based on current nursing and interdisciplinary topic-specific and education scholarship
  - **Administrative Harmonization:** Administrative procedures and processes for students will be harmonized where possible to optimize student engagement and success, reflecting an integrated 4-year NCBNP.
- D. The Partners will collaboratively:
- a. Support student success for all students enrolled in the NCBNP
  - b. Provide all students with a high quality baccalaureate-level educational experience and the preparation necessary to practice as Registered Nurses
  - c. Engage in decision-making about changes to curriculum that require managing, directing, and supporting activities that result in high quality baccalaureate-level outcomes
  - d. All parties will provide notice of transfer credit changes to maximize student mobility and success

- e. Ensure consultative decision-making while respecting institutional roles and accountabilities
- f. Commit to ensuring that students experience the NCBNP as a single, 4-year integrated program
- g. Act to ensure a seamless transition for students between the colleges and UNBC
- h. Maximize the sharing of resources while remaining responsive to regional needs
- i. Promote interaction and scholarly collaboration among faculty and students.

E. The roles and responsibilities of UNBC as the degree granting institution will be consistent with the BCCNP and CASN Recognition and Accreditation requirements, as will be those of the School of Health Sciences, CNC and the Health Program, CMTN.

## 2. Governance Structure

UNBC as the degree granting institution for the BScN degree, through its Senate has final authority over all academic matters related to the NCBNP. The partner institutions' Education Councils will make recommendations to UNBC Senate related to academic matters.

- A. The goals, purposes and principles of the NCBNP will be governed and enacted via the following five committees:
  - i. The NCBNP Collaborative Management Committee composed of the:
    - Dean or Chair, School of Nursing, UNBC
    - Dean or Associate Dean, School of Health Sciences, CNC
    - Dean or Associate Dean, Health Programs, Coast Mountain College
    - The Vice President, Academic, at each institution as ex-officio

Each school will have one vote and any decision requires a majority in order to be passed. Recommendations must be approved by this committee prior to seeking approval of any governing body (Senate, Education Council, CASN, etc.).

This committee may establish standing and temporary committees to carry out specific duties and functions of the NCBNP (e.g. the Practical Nursing Transition Committee is a temporary standing committee that extended from the Collaborative Student Advisement and Progression Committee (CSAPC)).

This committee is accountable to the UNBC Senate and to the Education Councils at CNC and CMTN for the ongoing academic planning and outcomes of the program. Thus, all final decisions and recommendations must be in accordance with the governance, policies and administration of the three partnering institutions. However, any changes made during UNBC Senate approval must go back to the Management Committee for further action.

- ii. The NCBNP Collaborative Coordinators' Committee composed of the:
  - NCBNP UNBC Undergraduate Coordinator, Prince George
  - NCBNP UNBC Undergraduate Coordinator, Quesnel
  - NCBNP UNBC Undergraduate Coordinator, Terrace
  - NCBNP CNC Faculty Coordinator, Prince George

- NCBNP CNC Faculty Coordinator, Quesnel
  - NCBNP CMTN Coordinator, Terrace
- iii. The following three committees will be composed of faculty representing the three partner institutions:
- The NCBNP Collaborative Student Admission and Progression Committee
  - The NCBNP Collaborative Curriculum Committee
  - The NCBNP Collaborative Evaluation Committee

Guests may be invited to any of the above five committees as required for consultation into the problem-solving and resolution of challenges related to strategy and operations of the NCBNP. Those invited will depend on the issues being prioritized and discussed and thus not considered permanent members of the committee.

- iv. Services - academic, support and physical resources (Refer to Appendix A)
- v. Terms of reference for five committees (Refer to Appendix B)
- vi. Governance structure diagram (Refer to Appendix C)

### **3. Enrolment Management: Recruitment, Admission and Registration Processes**

- A. UNBC is responsible, overall, for the NCBNP, including enrolment management with all institutions collaboratively engaging in creating transparent and understandable admission requirements, as well as understanding each partner institution's recruitment and registration processes that are guided by best practices in the field. Although overall direction of the NCBNP rests with the UNBC School of Nursing Chair, this responsibility is substantively shared with the Dean or Associate Dean of the School of Health Sciences at CNC, and the Dean or Associate Dean of Health Programs at Coast Mountain College. This is in accordance with the requirements of BCCNP approval and CASN Accreditation
- B. CNC and CMTN will be the portals of entry into the NCBNP with seamless transition entry into UNBC at year three. Applicants will be simultaneously admitted to a College and the University, with potential access to admission scholarships for nursing students and to ensure the seamless transition from year two to year three).
- C. CNC and CMTN will manage all admission processes (i.e. registration, student advising and progression support) through the first two years of the program. UNBC will provide student advising and progression support through the third and fourth years of the program.
- D. Advising and transfer credit decisions made by CNC and CMTN for the students in years one and two will be transparent to UNBC. Advising and transfer credit decisions made by UNBC for the students in years three and four will be transparent to CNC and CMTN Colleges. Required non-nursing and elective courses may be taken at any partner institution as long as they are within the established transfer limits and meet the requirements approved by the partner institutions, by UNBC as the degree granting institution, and by BCCAT who sets post-secondary transfer credit guidelines.
- E. All parties involved in the NCBNP and Collaborative Management Committee will coordinate enrolment planning and management.

- F. In conformance with the expectations of the Ministry of Advanced Education, Skills and Training (AEST), CNC and CMTN will support the first two years of the program and report the corresponding FTE activity. The courses in the first two years are considered to be CNC and CMTN courses, respectively, for the purposes of this agreement regarding FTE reporting. UNBC will support the third and fourth years of the program and report the corresponding FTE activity to the Ministry of Advanced Education, Skills, and Training. The courses in the third and fourth years are considered to be UNBC courses for the purposes of this agreement.
- G. The partners agree that the sharing of student information is an important part of ensuring success in a collaborative program. The partners commit to sharing information deemed necessary for student progression through a system that ensures an orderly and timely flow of information. Information sharing shall include the following: student identification and contact information, transcripts, criminal record check, and documentation of academic and/or behavioural misconduct. In general, the official student record at each institution will be available to any partner member who would normally have access to such information at any one of the partnering institutions.
- H. The Bachelor of Science in Nursing (BScN) degree will be conferred by The University of Northern British Columbia and requires the UNBC Senate to have the final approval.

#### **4. Curriculum**

- A. The curriculum of the NCBNP will be collaboratively managed, directed and supported by the partner institutions. All curriculum changes/additions/deletions will be vetted through the curriculum committee with recommendations sent to the NCBNP Collaborative Management Committee for approval.
- B. Any changes to curriculum or academic regulations and policies will be subject to the formal processes in place at the partner institutions and must be in accordance with the University Act of British Columbia and the Colleges and Institutions Act of British Columbia. Proposed changes to the curriculum or admission requirements in any of the years of the program must be agreed upon by all partner institutions.
- C. Curricular changes will follow the respective institutional approval processes (the UNBC Senate and the Education Councils of CNC and CMTN) and be coordinated between the partner institutions.
- D. Nursing faculty at all partner institutions will be involved in the development, teaching and evaluation of nursing courses in the NCBNP.

#### **5. Resources: Tuition, Fees and Other Funds**

- A. The partner institutions will work in a fair and transparent fashion in regards to policies and procedures for collection and distribution of revenues and expenditures.

#### **6. Terms and Termination**

- A. The terms of this Agreement shall commence on September 1, 2019 and shall be reviewed every three (3) years.
- B. The parties will cooperate to make all faculty, staff, students and applicants aware of this Agreement.



- C. The NCBNP Collaborative Management Committee is accountable for the enactment of this Agreement on an ongoing basis.
- D. To participate in the accreditation process, the partner institutions will maintain membership in the Canadian Association of Schools of Nursing (CASN).
- E. Amendments to this agreement must be in writing and approved by the NCBNP Collaborative Management Committee and the designated representative of each partner institution.
- F. The partner institutions may terminate this Agreement upon one year written notice to the other parties and in the event of termination, each party will respect the students who are currently in process of obtaining their degrees and will provide an opportunity for them to complete the NCBNP four-year program according to the appropriate requirement of the Senate of UNBC and the Education Councils of CNC and CMTN.
- G. Applications by other educational institutions to be party to this Affiliation Agreement will be made to the NCBNP Collaborative Management Committee.
- H. Any notice required to be given by any party to the others shall be deemed to be properly given if delivered in writing to their respective addresses:

The University of Northern  
British Columbia  
The Office of the President  
3333 University Way  
Prince George, B.C.  
V2N 4Z9

College of New Caledonia  
The Office of the President  
3330 22nd Avenue  
Prince George, B.C.  
V2N 1P8

Coast Mountain College  
Office of the President  
5331 McConnell Avenue  
Terrace, B.C.  
V8G 4X2

## 7. Partnership Dispute Resolution

- A. Any partnership dispute arising within the NCBNP should be resolved at the lowest possible level of the governance process, progressing as follows: 1) Coordinators, 2) Chairs, Deans and Registrars, 3) Vice Presidents, and 4) Presidents or designates of the respective institutions.

Signatures:

Date:

**University of Northern British Columbia**

**Dr. Geoff Payne**  
Acting President

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**Dr. Dan Ryan**  
Provost and Vice-President Academic

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**College of New Caledonia**

**Dr. Dennis Johnson**  
President

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**Dr. Chad Thompson**  
Vice President Academic

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**Coast Mountain College**

**Mr. Justin Kohlman**  
Acting President & CEO

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**Dr. Laurie Waye**  
Interim Vice President Academic and Provost

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## Appendix A: Services - Academic, Support and Physical Resources

- A. Services accessible to NCBNP students by the three partners will be harmonized to the extent possible.
- B. NCBNP Committees, Office of the Registrars, Library Information Literacy Services, and Senior Administration members across the three partnering institutions will be responsible for collaborating to maximize effectiveness and consistency in policies and procedures for successful 4-year integrated NCBNP delivery, experience and outcomes for NCBNP students.
- C. To the extent possible, NCBNP students will be eligible for access to institutional scholarships, as well as libraries and other facilities across the three partner institutions (e.g. residences, sports centre, etc.).

### 1. Services – UNBC

General Description	Services
Student Services Departments	Centre for Teaching, Learning, and Technology
	Office of the Registrar
	Library
	Office of Student Recruitment
	Northern Analytical Laboratory Services
Student Success	Academic Advising
	Academic Success Centre
	Access Resource Centre
	Conference Services
	Educational Media Services
	Financial Aid
	First Nations Centre
	Health and Wellness Centre (Counselling Centre and Health Services)
	Housing and Residence Life
	Information Technology Services
	International Exchanges and Student Programs
	Student Career Centre (Co-operative Education)
Indigenous Services	Aboriginal Cultural Resources
	Tutoring Support
	Internal Services and Supports
	Cultural Activities
	External Services
	Overcoming Systemic Barriers
	First Nations Centre Graduation
International Services	International Office
	International Undergrad and Graduate Program

	English Language Studies
	International Exchange Program
Registrar Services	Admissions – Eligibility and Transfer Credits
	Records Management
	Registration
	Scheduling of Courses and Exams
	Student Online Services
NUGSS Student Services	Student-led Organizations
	Student Advocacy
	Social Events
	U-Pass Program
	Health and Dental Plan
Campus Infrastructure and other Services	Parking and public transit
	Library
	Food Services
	Meeting rooms and study spaces
	Charles Jago Northern Sports Centre (Prince George campus)
	Security Services Office
	Nursing simulation labs on campus
	Access to simulation lab at Mills Memorial Hospital, University Hospital of Northern BC, and GR Baker Memorial Hospital
	Northern Women’s Centre
	Northern Pride Centre
	Technology supported classroom environments including the ability to connect across multiple campuses, digital boards and other teaching tools.
	Interfaith Chaplaincy

**2. Services – College of New Caledonia (CNC)**

<b>General Description</b>	<b>Services</b>
Office of the Registrar	Student Academic Advising Admissions Registration Student Records Graduation and Credentials Student Self-serve Registration
Student Services	On-site student housing Financial Aid and Awards Wellness Coach Accessibility Services Student Success center (Testing and Tutoring) Student Council

	<p>Fitness and Recreation (through Communications Department)  Health and Wellness Center: 2 Nurse Practitioners; 1 Counsellor; Physician days  Cafeteria  College Bookstore  17 computer labs (PG) and 3 Computer labs (Quesnel)  Kodiak’s Restaurant  Media Services  Safe Walk Service  Security  Library Services  Chaplaincy Services  Caledonia Early Care and Learning Center  Human Resources for Student Employment  Applied Research and Innovation  ESL Training  Communications (Student Event Planning)</p>
<p>Aboriginal Services</p>	<p>Aboriginal Resource Center  Aboriginal Academic Advisor  Elder in Residence  Aboriginal Tutoring and Writing Services</p>
<p>Library Services</p>	<p>Online and on site libraries at both CNC sites  Interlibrary loan services  Computer terminals  Research Librarian available to go into classes to orientate/teach students library skills  Spaces as listed: Prince George Campus: Study spaces (total) in the library-269</p> <p>Silent study spaces 54 based on breakdown below</p> <ul style="list-style-type: none"> <li>• Student Lab #1 – 16 seats (quiet study)</li> <li>• Student Lab #2 – 26 seats (not quiet)</li> <li>• Media study rooms, 2 rooms – 12 people (quiet) (closed rooms)</li> <li>• Seminar Room #1 – 12 people</li> <li>• Study Room #2-#7 – capacity 1-5 people in each, so – 30 seats, marked quiet study (group work goes on but these are closed rooms)</li> <li>• Open area – 173 seats in various groupings, some quieter areas surrounded by book stacks</li> <li>• Computer Terminals -12</li> </ul>

	<ul style="list-style-type: none"> <li>• Quesnel Campus: Student Bookable spaces – 16</li> <li>• Open Spaces: 30</li> <li>• 7 computer terminals</li> </ul>
Nursing Labs	<p>2 nursing labs with X beds in Prince George (supports NCBNP, PRAN and HCAP students)  Lab A has 10 beds and a private room with one bed. equaling 11 beds in total  Lab B has 16 beds</p> <p>1 nursing lab with 8 beds in Quesnel (supports NCBNP students in all four years and HCAP students)</p> <p>Access to Northern Health Simulation Lab but must be booked 6 months in advance in Prince George: Access to Simulation Lab in Quesnel but must be booked one semester in advance</p>
Information Technology Services	<p>Support  X Computer Labs on campus  Digital SMART Boards in classrooms  Digital delivery across all 6 CNC campuses (Dedicated classroom spaces at all campuses)  Videoconferencing capabilities</p>

**3. Services – Coast Mountain College**

General Description	Services
Student Services	Educational Advising
	Learning Assistance
	Orientation
	Leaders in Action
	Exam Invigilation
	On-site Student Housing
	Student Employment
	Health and Wellness - Counselling (24/7 access)
	Fitness and Recreation
	Accessibility Services
	Financial Aid
	WriteAway (writing tutor)
Indigenous Services (note all previously stated services apply to all students, including Indigenous students)	
	First Nations access services
	Indigenous support team
	Cultural activities
	First Nations Council

	Waap <u>G</u> alts'ap Community Longhouse
International Services (note all previously stated services apply to all students, including international students)	
	International Student Advisor
	International Coordinator
Registrar Services	
	Advising and Admissions
	Registration
	Student Records
	Graduation and credentials
	Student Self-serve <ul style="list-style-type: none"> <li>- Online student portal</li> <li>- ALLERTUS safety app</li> </ul>
Center of Learning Transformation (COLT)	
	Promote and support innovation in experiential place-based learning
	Support program and curriculum review
	Support and promote Indigenization
	Support and promote Articulation
Campus/Program Infrastructure	Parking (at no cost) and link to public transit
	Library (online and physical libraries at each campus)
	Interlibrary loan services
	Cafeteria (Terrace)
	Yurt
	Three bookable breakout rooms
	Wellness space and sports field
	Bikes available for loan through library
	2 dedicated simulation labs to support patient care learning. Utilized by the NCBNP Nursing students (including 3 and 4 <sup>th</sup> year from UNBC), HCA and PN programs of CMTN
	Access to simulation lab at Mills Memorial Hospital
	Technology support classroom environments including; ability to connect across multiple campuses, digital boards and other teaching tools.

**Appendix B – Terms of Reference for five committees**

**1. NAME: NCBNP COLLABORATIVE MANAGEMENT COMMITTEE**

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**SECTION 1 – INTRODUCTION**

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**PURPOSE**

The purpose of this document is to set out the terms of reference, composition, and operating arrangements of the NCBNP Collaborative Management Committee.

Role: To provide overall governance and management oversight of the NCBNP.

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**DEFINITIONS**

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**NCBNP:** Northern Collaborative Baccalaureate Nursing Program

**Partner institutions:** University of Northern British Columbia (UNBC), College of New Caledonia (CNC), and Coast Mountain College (CMTN)

**Partner sites:** UNBC Prince George, UNBC Terrace, UNBC Quesnel, CNC Prince George, CNC Quesnel, CMTN Terrace

**Collaborative Faculty:** The NCBNP faculty of the partner institutions.

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**GOVERNING BODY**

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This committee is the governing body of the NCBNP as identified in the Affiliation Agreement between UNBC, CNC and CMTN of February 8, 2019 (Draft). It is accountable to the UNBC Senate and to the Education Councils at CNC and CMTN for the ongoing academic planning and outcomes of the NCBNP.

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**SECTION 2 – PROCEDURES**

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**RESPONSIBILITIES**

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The NCBNP Collaborative Management Committee is responsible to maintain the quality and academic rigor of the NCBNP. It provides overall governance oversight of the NCBNP and oversees the on-going planning and operation of the NCBNP including:

- Overseeing policy development for the NCBNP
- Enrolment planning and management
- Receiving and evaluating reports from NCBNP committees
- Responding to recommendations from NCBNP committees and NCBNP Collaborative Faculty
- Providing direction on planning and operational issues for the NCBNP
- Ensuring adequate resources are made available for the functioning of the NCBNP
- Approving the administration of collaborative development funds and other external revenues allocated to the NCBNP



- Recommending tuition and fees to the partner institutions
- Setting policy on roles/responsibilities, as well as academic and professional qualifications for faculty and clinical instructors in accordance with requirements of the NCBNP, requirements of the partner institutions, and requirements of the accreditation nursing regulatory bodies (British Columbia College of Nursing Professionals, and Canadian Universities of Schools of Nursing).

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## COMPOSITION

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### MEMBERSHIP

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Voting membership of the Collaborative Management Committee consists of the following:

- Dean of CASHS or Chair, School of Nursing, UNBC
- Dean or Associate Dean, School of Health Sciences, CNC
- Dean or Associate Dean, Health Programs, CMTN
- The Vice President, Academic, at each institution as ex-officio x 3

Term of appointment: Ongoing

Quorum: 3 members, one from each of the three partner institutions.

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### CHAIR

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The Chair of the Collaborative Management Committee will be chosen by the committee and will rotate annually between the partner institutions as determined by the committee. Administrative support will be provided by the Chair's institution. Each institution will keep copies of the minutes for their individual institution's records.

The Chair will set the agenda and timetable for Committee meetings through consultation with Committee members and will circulate agendas, minutes, reports and other relevant information to and from the Committee to other NCBNP Committees.

Guests may be invited as required for consultation into the problem-solving and resolution of challenges related to strategy and operations of the NCBNP. Those invited will depend on the issues being prioritized and discussed and thus not considered permanent members of the committee.

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### MINUTES

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Minutes: The Chair will appoint a Minute Taker. The Minute Taker will record the proceedings of meetings and submit minute meetings to the committee members within two weeks of a meeting.

The UNBC School of Nursing Chair shall retain a copy of all meeting minutes for future referral.

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### OPERATING PROCEDURES

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Specific responsibilities of the Collaborative Management Committee:

- A. To ensure that the NCBNP operates in accordance with the goals, purposes and principles of the MOU
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- B. To review and approve recommended changes from all standing committees of the NCBNP
- C. To establish and appoint members to the NCBNP Committees, and any other committees or working groups that are created in the performance of its mandate
- D. To request, receive and/or approve reports and recommendations from the NCBNP Coordinators' Committee and Standing Committees and to delegate authority for decision-making to those committees as it deems fit
- E. To review program-wide data related to enrolments, completion rates and other aspects related to the effective operation of the NCBNP
- F. To review and approve ongoing academic planning, resourcing and operation of the NCBNP program in accordance with the governance policies and administration of the sponsoring institutions
- G. To receive, review and approve student applications by other institutions to be party to the NCBNP agreement
- H. To provide each institutional Vice President Academic with a report on activities of the NCBNP annually or as requested in preparation for their collaborative executive meetings. To provide each institutional VPA with information regarding issues arising within the partnership that require attention, in a timely manner.
- I. To develop, implement and update a strategic action plan which aligns with partnering institutions' strategic plans.

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## DECISION MAKING

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By consensus

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### MEETINGS

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The Committee will meet at least four to eight times per year.

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### REPORTS

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The Committee will submit an annual report of NCBNP activities to the senior administration of partner institutions by October 31 of each year.

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## SECTION 3 – GOVERNANCE

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### RESPONSIBILITY

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The Collaborative Management Committee is responsible for updating its own Terms of Reference within the framework provided by Affiliation Agreement. In the absence of Committee consensus, outstanding issues will be referred to senior administration.

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### VERSION CONTROL AND CHANGE HISTORY

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This 2019 version was created using the February 8, 2019 (Draft) version of the Affiliation Agreement.

**2. NAME: NCBNP COLLABORATIVE COORDINATORS  
COMMITTEE**

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**SECTION 1 – INTRODUCTION**

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**PURPOSE**

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The purpose of this document is to set out the terms of reference, composition, and operating arrangements of the NCBNP Collaborative Coordinators Committee

**DEFINITIONS**

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**NCBNP:** Northern Collaborative Baccalaureate Nursing Program

**Partner institutions:** University of Northern British Columbia (UNBC), College of New Caledonia (CNC), and Coast Mountain College (CMTN)

**Partner sites:** UNBC Prince George, UNBC Terrace, UNBC Quesnel, CNC Prince George, CNC Quesnel, CMTN Terrace

**Collaborative Faculty:** The NCBNP faculty of the partner institutions.

**GOVERNING BODY**

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The coordinators committee members gather information from, and disseminate information back to, their respective institutions through the UNBC School of Nursing Department, the CNC Nursing Department, and the CMTN Nursing Department. The Coordinators Committee works under the general oversight of and reports directly to the NCBNP Collaborative Management Committee.

**SECTION 2 – PROCEDURES**

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**RESPONSIBILITIES**

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The NCBNP Coordinators Committee supports and helps facilitate the integrity of the NCBNP philosophy, graduate outcomes and core threads. The Coordinators Committee’s responsibilities include but are restricted to the following:

- Supporting a consistency in operations among partner institutions
- Sharing information and addressing difficulties that affect all partner institutions
- Facilitating collaborative approaches to internal and external program and partnership initiatives
- Facilitating support of faculty in ways that are applicable to all partner institutions.

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## COMPOSITION

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### MEMBERSHIP

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Membership of the Coordinators Committee consists of the following:

- Coordinator, Undergraduate Nursing Programs, UNBC
- Nursing Program Coordinator, CMTN
- Nursing Program Coordinator(s), CNC Prince George
- Nursing Program Coordinator, CNC-Quesnel
- Nursing Program Coordinator, UNBC-Quesnel
- Nursing Program Coordinator, UNBC-Terrace
- Guests may be invited to attend meetings as required to provide input on specific issues or planning activities.

Membership of the Coordinators Committee will be confirmed at the beginning of each academic year.

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### CHAIR

---

The Chair position will rotate among the committee members, meeting to meeting.

The Chair will set the agenda and timetable for committee meeting through consultation with members and will circulate agendas, minutes, reports and other relevant information to and from the Coordinators Committee, and other NCBNP Committees.

---

### MINUTES

---

Minutes: The Chair will take minutes or will designate a minute-taker. The Minute Taker will record the proceedings of meetings and submit meeting minutes to the Committee members within two weeks of a meeting.

The UNBC Coordinator of Undergraduate Nursing Programs shall retain a copy of all meeting minutes for future referral.

---

## OPERATING PROCEDURES

---

### DECISION MAKING

---

By consensus

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### MEETINGS

---

The Coordinators Committee will meet a minimum of four times per year.

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## REPORTS

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The Coordinators Committee will submit minutes of their meetings to the Collaborative Management Committee.

---

## SECTION 3 – GOVERNANCE

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### RESPONSIBILITY

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The Collaborative Management Committee is responsible for reviewing the Terms of Reference of the Coordinators Committee as needed in consultation with the Coordinators Committee members, and advising on needed revisions.

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### VERSION CONTROL AND CHANGE HISTORY

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This 2018 version was created using the 2017 Terms of Reference for the Coordinators Committee, with updates to reflect the name change from Northwest Community College (NWCC) to Coast Mountain College (CMTN).

### 3. NAME: COLLABORATIVE STUDENT ADMISSION AND PROGRESSION COMMITTEE (CSAPC)

#### SECTION 1 – INTRODUCTION

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##### PURPOSE

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The purpose of this document is to set out the terms of reference, composition, and operating arrangements of the NCBNP's CSAPC.

##### DEFINITIONS

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**NCBNP:** Northern Collaborative Baccalaureate Nursing Program

**Partner institutions:** University of Northern British Columbia (UNBC), College of New Caledonia (CNC), and Coast Mountain College (CMTN)

**Partner sites:** UNBC Prince George, UNBC Terrace, UNBC Quesnel, CNC Prince George, CNC Quesnel, CMTN Terrace

**Collaborative Faculty:** The NCBNP faculty of the partner institutions.

##### GOVERNING BODY

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This committee reports to the NCBNP Collaborative Management Committee.

#### SECTION 2 – PROCEDURES

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##### RESPONSIBILITIES

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The NCBNP's CSAPC has been established to provide advice and recommendations to the NCBNP Collaborative Management Committee related to the admission and progression of students in the NCBNP. CSAPC activities will include but not be restricted to the following:

- Identifying, discussing and initiating procedural changes related to student progression
- Reviewing and ensuring consistency in partner institution academic calendars
- Maintaining and revising NCBNP priority registration guidelines
- Reviewing and reconciling course transfer credit anomalies
- Setting program admission criteria
- Recommending the process for student selection
- Recommending revisions to academic regulations re: the NCBNP in the following areas:

- program content
- course co-requisites and pre-requisite requirements
- Following-up with partner institutions' Education Council and Senate once course and program content revisions have been approved by the partner institutions nursing faculty and the NCBNP Collaborative Management Committee.

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## **COMPOSITION MEMBERSHIP**

Membership of CSAPC consists of the following:

- UNBC Prince George: Two faculty members (includes co-Chair/Coordinator or designate)
- UNBC Nursing Program Advisor
- UNBC Registrar's Office: One staff member
- UNBC Quesnel: One faculty member (Coordinator or designate)
- UNBC Terrace: One faculty member (Coordinator or designate)
- CNC Prince George: Two faculty members (includes co-Chair/Coordinator or designate)
- CNC Quesnel: One faculty member (Coordinator or designate)
- CNC Prince George Nursing Advisor
- CNC Quesnel Student Advisor
- CNC Registrar's Office Prince George: One staff member
- CNC Registrar's Office Quesnel: One staff member
- CMTN Terrace: One faculty member (Coordinator or designate)
- CMTN Student Advisor
- CMTN Registrar's Office: One staff member

Term of Appointment: Membership of the Committee will be confirmed at the beginning of each academic year. To facilitate membership renewal, in August of each year, the UNBC co-Chair of CSAPC will circulate a call letter among partner sites requesting that they identify CSAPC representatives for the committee. Partner institutions and sites will submit their list of representatives no later than September 30 of each academic year.

Appointments are ongoing, for a period of not less than one year.

Quorum: 5 members from the three partner institutions, of which three must be faculty members. There must also be a coordinator or designate from each partnering institution.

---

## **CHAIR**

---

The Committee Chairperson shall be one of the Coordinators from CNC Prince George, CMTN Terrace, or UNBC Prince George. The Chairperson position and responsibility will rotate between the Coordinators on a yearly basis. Should the responsible Chairperson be absent from a meeting, she/he can delegate Chair responsibilities to one of the other Coordinators for that meeting.

Term of appointment: One year

The Co-Chairs will set the agenda and timetable for committee meeting through consultation with committee members and will circulate agendas, minutes, reports and other relevant information to and from the Committee to other NCBNP Committees.

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## **MINUTES**

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Minutes: The current Chairperson will appoint the Minute Taker from among the CSAPC members. The Minute Taker will record the proceedings of meetings and submit meeting minutes to the Co-Chairs and Committee Members within three weeks of a meeting.

The UNBC Nursing Program Advisor shall retain a copy of all meeting minutes for future referral.

## **OPERATING PROCEDURES DECISION MAKING**

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By consensus

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## **MEETINGS**

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The Committee will meet at least four times per year.

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## **REPORTS**

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The Committee shall make recommendations to the Collaborative Management Committee on all matters requiring action beyond the authority level of the Committee. In addition, any issue regarding which the Committee cannot reach agreement shall be brought to the Collaborative Management Committee for deliberation.

Coordinators may make monthly reports to their respective faculties regarding the work and decisions of the Committee.

The Committee will submit an annual report of its activities to Collaborative Faculty and the Collaborative Management Committee by August 31 of each year. This will be written by one of the co-Chairs.

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### **EVALUATION AND REVIEW**

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The Collaborative Management Committee will review and comment on the CSAPC's work, and provide these comments to the CSAPC by September 30<sup>th</sup> for discussion at the first meeting in the academic year.

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### **SECTION 3 – GOVERNANCE**

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#### **RESPONSIBILITY**

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CSAPC is authorized to seek information it requires in order to fulfill its mandate. The Committee is authorized to identify inconsistencies in practice amongst partner institutions and/or sites and bring them to the attention of the Collaborative Management Committee for action.

The Collaborative Management Committee is responsible for updating the CSAPC's Terms of Reference in consultation with SAPC.

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#### **VERSION CONTROL AND CHANGE HISTORY**

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This November 2017 version was created using the 2015

## 4. NAME: COLLABORATIVE CURRICULUM COMMITTEE (CCC)

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### SECTION 1 – INTRODUCTION

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#### PURPOSE

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The purpose of this document is to set out the terms of reference, composition, and operating arrangements of the NCBNP Curriculum Committee.

#### DEFINITIONS

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**NCBNP:** Northern Collaborative Baccalaureate Nursing Program

**Partner institutions:** University of Northern British Columbia (UNBC), College of New Caledonia (CNC), and Coast Mountain College (CMTN)

**Partner sites:** UNBC Prince George, UNBC Terrace, UNBC Quesnel, CNC Prince George, CNC Quesnel, CMTN Terrace

**Collaborative Faculty:** The NCBNP faculty of the partner institutions.

#### GOVERNING BODY

---

This Committee reports to, and disseminates information back to, their respective institutions through the UNBC School of Nursing Department, the CNC Nursing Department, and the CMTN Nursing Department, as well as to respective Senate or Education Councils through Collaborative Faculty members. The Committee works under the general oversight of the NCBNP Collaborative Management Committee.

---

### SECTION 2 – PROCEDURES

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#### RESPONSIBILITIES

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The NCBNP Collaborative Curriculum Committee ensures that the integrity of the NCBNP philosophy, curriculum framework including core aims and threads, and graduate outcomes are achieved through curriculum assessment, planning, implementation, evaluation, and revision. It functions as the joint academic decision-making body of the NCBNP's partner institutions to support the consistent implementation of the program curriculum for development of student knowledge, attitudes and skills in order to meet or exceed entry-level registered nursing competencies. The Committee's responsibilities include but are not restricted to the following:

- Setting the NCBNP curriculum framework and curriculum to meet expected graduate outcomes and to reflect the program philosophy and the health care and professional nursing practice needs in Northern BC
- Ensuring that the curriculum of the NCBNP meets the standards for British Columbia College of Nursing Professionals (BCCNP) approval and Canadian Association of Schools Nursing (CASN) accreditation

- Developing and communicating a philosophy of teaching and learning consistent with the goals of the NCBNP, BCCNP Professional Standards for Registered Nurses and Nurse Practitioners, and the Canadian Nurses Association (CNA) Code of Ethics for Registered Nurses (2017).
- Reviewing and recommending changes to the NCBNP curriculum as per current BCCNP Competencies in Context of Entry-level RN Practice in BC (2015), CASN Accreditation Guidelines.
- Formulating plans and revision recommendations for curriculum structure, content and delivery that address:
  - ongoing program evaluation
  - changes in population health and health service environments
  - evidence-based nursing practice
  - current trends in healthcare delivery
  - program objectives and outcomes
  - educational approaches
  - alternative entry points into the program and future educational options for graduates
- Commissioning and receiving recommendations from working groups that investigate and draft plans and documents to address issues pertinent to the NCBNP curriculum.

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## **COMPOSITION MEMBERSHIP**

Membership of the Curriculum Committee consists of the following:

- Up to two tenured/tenure track/continuing faculty representatives or alternates from each partner institution
- The Undergraduate Nursing Programs Coordinator, UNBC
- The Nursing Program Coordinator, CNC
- The Nursing Program Coordinator, CMTN
- Guests may be invited to attend meetings as required to provide input on specific issues or planning activities

Term of Appointment: Two years, renewable

Membership of the Committee will be confirmed at the beginning of each academic year. In August of each year, the Chair of the Curriculum Committee will circulate a call letter among partner institutions requesting that they identify representatives for the Curriculum Committee. Partner institutions will submit their list of representatives no later than September 30 of each academic year.

Quorum: 5 members from the three partner institutions, including Coordinators.

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## **CHAIR**

The Committee Chair will be selected by the membership at the first meeting in the academic year and will assume the Chair duties from the second meeting in the academic year.

Term of appointment: Two years

The Chair will set the agenda and timetable for committee meeting through consultation with Committee Members and will circulate agendas, minutes, reports and other relevant information to and from the Committee to the NCBNP Collaborative Management Committee and other Collaborative NCBNP Committees.

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## **MINUTES**

Minutes: The Chair will appoint the Minute Taker. The Minute Taker will record the proceedings of meetings and submit meeting minutes to the Chair and Committee Members within two weeks of a meeting.

The Undergraduate Nursing Programs Coordinator, UNBC, shall retain copies of all meeting minutes for future referral.

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## **OPERATING PROCEDURES DECISION MAKING**

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By consensus

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## **MEETINGS**

The Committee will meet at least four times per year.

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## **REPORTS**

The Committee will submit an annual report of its activities to the Collaborative Coordinators Committee, Collaborative Evaluation Committee, and to the Collaborative Management Committee by August 31 of each year.

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## **EVALUATION AND REVIEW**

The Collaborative Management Committee will review and comment on the Collaborative Curriculum Committee's work, and provide these comments to the Collaborative Curriculum Committee by September 30<sup>th</sup> for discussion at the first or second meeting in the academic year.

## **SECTION 3 – GOVERNANCE**

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### **RESPONSIBILITY**

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The Collaborative Curriculum Committee is responsible for updating the Collaborative Committee Terms of Reference in consultation with the Collaborative Management Committee.

### **VERSION CONTROL AND CHANGE HISTORY**

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This November 2018 version was created using the March 2011 and August 2015 versions of the Collaborative Curriculum Committee Terms of Reference.

## 5. NAME: COLLABORATIVE EVALUATION COMMITTEE

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### SECTION 1 – INTRODUCTION

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#### PURPOSE

---

The purpose of this document is to set out the terms of reference, composition, and operating arrangements of the NCBNP Collaborative Evaluation Committee.

#### DEFINITIONS

---

**NCBNP:** Northern Collaborative Baccalaureate Nursing Program

**Partner institutions:** University of Northern British Columbia (UNBC), College of New Caledonia (CNC), and Coast Mountain College (CMTN)

**Partner sites:** UNBC Prince George, UNBC Terrace, UNBC Quesnel, CNC Prince George, CNC Quesnel, CMTN Terrace

**Collaborative Faculty:** The NCBNP faculty of the partner institutions.

#### GOVERNING BODY

---

This Committee reports to, and disseminates information back to, their respective institutions through the UNBC School of Nursing Department, the CNC Nursing Department, and the CMTN Nursing Department, as well as to respective Senate or Education Councils through Collaborative Faculty members. The Committee works under the general oversight of the NCBNP Collaborative Management Committee.

### SECTION 2 – PROCEDURES

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#### RESPONSIBILITIES

---

The NCBNP Collaborative Evaluation Committee ensures the on-going evaluation of the NCBNP. It provides information and advice to appropriate bodies, which will use the information for program revision, as well as for policy and decision-making. Collaborative Evaluation Committee activities will include but not be restricted to the following:

- Assuming responsibility for short term, intermediate, and long term evaluation of the NCBNP
  - Developing and/or updating a system of program evaluation
  - Monitoring the implementation and effectiveness of the program evaluation system
  - Addressing BCCNP approval and CASN accreditation standards related to program evaluation
  - Receiving and reviewing evaluation data and reports, including recommendations from stakeholders
  
  - Ensuring that communication processes with the NCBNP Committees, faculty and students are in place to disseminate evaluation results
  - Making recommendations for curriculum and program revisions
-

- Creating and directing working groups as required.

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## COMPOSITION

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### MEMBERSHIP

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Membership of the Collaborative Evaluation Committee consists of the following:

- Up to two tenured/tenure track/continuing faculty representatives or alternates from each partner institution
- Student representatives selected so as to achieve representation from each year of the Program and from each partner site
- The Coordinator, Undergraduate Programs, UNBC, the Dean Health Sciences, CNC and the Nursing Program Coordinator, CMTN
- Guests may be invited to attend meetings as required to provide input on specific issues or planning activities.

Term of Appointment: Two years, renewable.

Membership of the Committee will be confirmed at the beginning of each academic year. In August of each year, the Chair of the Collaborative Evaluation Committee will circulate a call letter among partner institutions requesting that they identify representatives for the Evaluation Committee.

Partner institutions will submit their list of representatives no later than September 30 of each academic year.

Quorum: 5 members from the three partner institutions.

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### CHAIR

---

Two Co-Chairs will be selected by the membership at the first meeting in the academic year and will assume the Chair from the second meeting in the academic year. The Co-Chairs will rotate among partner institutions.

Term of appointment: Two years

The Co-Chairs will set the agenda and timetable for committee meeting through consultation with committee members and will circulate agendas, minutes, reports and other relevant information to and from the Committee to other NCBNP Committees.

---

### MINUTES

---

Minutes: The Co-Chairs will appoint the Minute Taker. The Minute Taker will record the proceedings of meetings and submit meeting minutes to the Co-Chair and Committee members within two weeks of a meeting.

The UNBC Coordinator of Undergraduate Nursing Programs shall retain a copy of all meeting minutes for future referral.

## OPERATING PROCEDURES

### DECISION MAKING

---

By consensus

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#### MEETINGS

---

The Committee will meet at least four times per year.

---

#### REPORTS

---

The Committee will submit an annual report of its activities to the Collaborative Coordinators Committee, Collaborative Curriculum Committee, and to the Collaborative Management Committee by August 31 of each year.

---

#### EVALUATION AND REVIEW

---

The Collaborative Management Committee will review and comment on the Collaborative Evaluation Committee's work, and provide these comments to the Collaborative Evaluation Committee by September 30<sup>th</sup> for discussion at the first meeting in the academic year.

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## SECTION 3 – GOVERNANCE

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### RESPONSIBILITY

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The Collaborative Management Committee is responsible for updating the Terms of Reference of the Collaborative Evaluation Committee in consultation with the Collaborative Evaluation Committee and Collaborative Faculty Committee.

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#### VERSION CONTROL AND CHANGE HISTORY

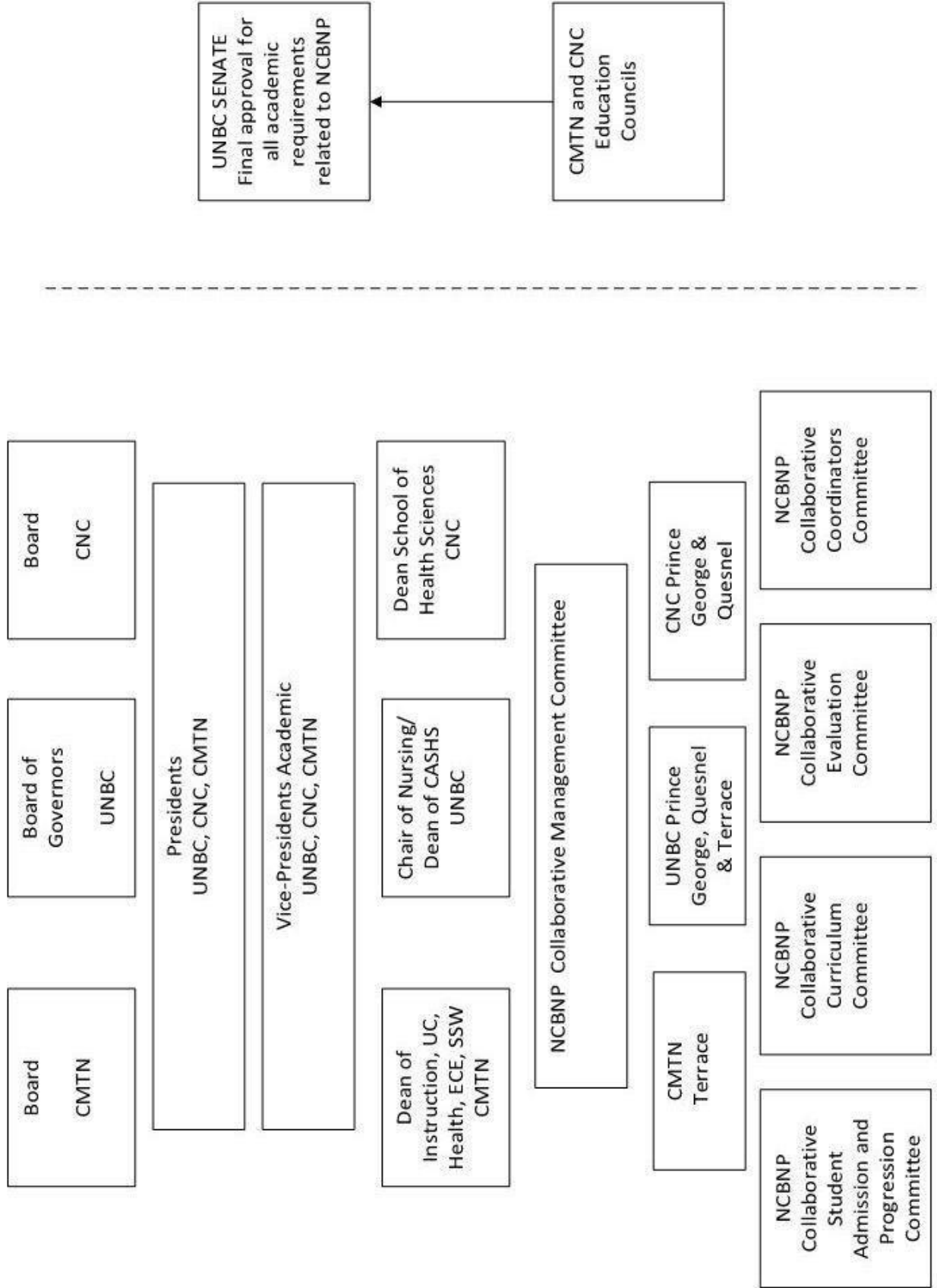
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This 2015 version was created using the March 2011 Draft version of the Collaborative Evaluation Committee Terms of Reference.

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## NCBNP GOVERNANCE STRUCTURE



# MEMORANDUM

*Department of Political Science  
University of Northern BC  
Ph: (250) 960-6668/Fax: (250) 960-5545*

**TO:** Dr. Shannon Wagner, A/Dean of the College of Arts, Social and Health Sciences  
**FROM:** Dr. Boris DeWiel, A/Chair of Political Science  
**DATE:** February 3, 2020  
**RE:** Summary of POLS and PHIL motions

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We offer the following motions:

**1. Six motions to replace POLS 290 with POLS 230 in the POLS and J-POLS BA degrees**

Due to the retirement of a colleague and to bolster our core disciplinary courses, we propose to replace POLS 290 with a newer course, POLS 230 International Relations, in the following BA degrees: J-ECON-POL, J-ENGL-POLS, J-GEOG-POLS, J-HIST-POLS, J-INTS-POLS and J-POLS-WMST.

**2. Motion to delete an obsolete preclusion in PHIL 201**

We propose to remove the preclusion of a deleted course in the requirements for PHIL 201.

Motion Number (assigned by  
Steering Committee of Senate): S-202004.38

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to program requirements for the Joint Major in Economics/Political Science, on page 87 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

Due to changes in faculty personnel and to bolster our required courses, we propose to replace POLS 290 Research and Writing for Political Science with POLS 230 International Relations as a degree requirement. The latter course is an introduction to one of the traditional sub-disciplinary areas within political science.

3. **Implications of the changes for other programs, etc., if applicable:**

This change has been approved by the Department of Economics.

4. **Reproduction of current Calendar entry for the item to be revised:**

## Joint Major in Economics/Political Science

The minimum requirement for completion of a Bachelor of Arts with a Joint Major in Economics and Political Science is 120 credit hours.

### Program Requirements

#### Lower-Division Requirement

ECON 100-3 Microeconomics

ECON 101-3 Macroeconomics

ECON 205-3 Statistics for Business and the Social Sciences

Two of the following:

ECON 204-3 Contemporary Economic Issues

ECON 206-3 Methods of Economic Evaluation

ECON 210-3 Introduction to Health Economics and Policy

ECON 220-3 Global Economic Shifts

POLS 100-3 Contemporary Political Issues

POLS 200-3 Canadian Government and Politics

POLS 202-3 Canada in Comparative Perspective

POLS 270-3 Political Philosophy: Antiquity to Early Modernity

POLS 290-3 Research and Writing for Political Science

### Upper-Division Requirement

ECON 310-3 Intermediate Microeconomic Theory  
or ECON 350-3 Managerial Economics  
ECON 311-3 Intermediate Macroeconomic Theory  
POLS 303-3 Democracy and Democratization  
POLS 320-3 Canadian Politics and Policy  
POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity  
Nine credit hours in Political Science at the 400 level.  
Eighteen credit hours in Economics at the 300 or 400 level.

### Elective and Academic Breadth

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours including any additional credits necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

### 5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:

## Joint Major in Economics/Political Science

The minimum requirement for completion of a Bachelor of Arts with a Joint Major in Economics and Political Science is 120 credit hours.

### Program Requirements

#### Lower-Division Requirement

ECON 100-3 Microeconomics  
ECON 101-3 Macroeconomics  
ECON 205-3 Statistics for Business and the Social Sciences  
Two of the following:  
ECON 204-3 Contemporary Economic Issues  
ECON 206-3 Methods of Economic Evaluation  
ECON 210-3 Introduction to Health Economics and Policy  
ECON 220-3 Global Economic Shifts  
POLS 100-3 Contemporary Political Issues  
POLS 200-3 Canadian Government and Politics  
POLS 202-3 Canada in Comparative Perspective  
POLS 230-3 International Relations  
POLS 270-3 Political Philosophy: Antiquity to Early Modernity  
~~POLS 290-3 Research and Writing for Political Science~~

#### Upper-Division Requirement

ECON 310-3 Intermediate Microeconomic Theory  
or ECON 350-3 Managerial Economics  
ECON 311-3 Intermediate Macroeconomic Theory  
POLS 303-3 Democracy and Democratization  
POLS 320-3 Canadian Politics and Policy  
POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity

Nine credit hours in Political Science at the 400 level.  
Eighteen credit hours in Economics at the 300 or 400 level.

**Elective and Academic Breadth**

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours including any additional credits necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

**6. Authorization:**

**Program / Academic / Administrative Unit:** Political Science and Economics

**SCCC Reviewed:** January 28, 2020

**College:** Arts, Social and Health Sciences

**College Council Motion Number: OMNIBUS MOTION: CASHSCC.2020.03.19.07**

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF202004.38

**Moved by:** A. Aravind

**Seconded by:** C. Whalen

**Committee Decision:** CARRIED

**Attachments:** 0



**Approved by SCAAF:** April 8, 2020  
**Date**

**Chair's Signature**

**For recommendation to**   ✓  , **or information of** \_\_\_\_\_ **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to program requirements for the Joint Major in English/Political Science, on page 101 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

Due to changes in faculty personnel and to bolster our required courses, we propose to replace POLS 290 Research and Writing for Political Science with POLS 230 International Relations as a degree requirement. The latter course is an introduction to one of the traditional sub-disciplinary areas within political science.

3. **Implications of the changes for other programs, etc., if applicable:**

This change has been approved by the Department of English.

4. **Reproduction of current Calendar entry for the item to be revised:**

## Joint Major in English/Political Science

The minimum requirement for completion of a Bachelor of Arts with a Joint Major in English and Political Science is 120 credit hours.

### Program Requirements

#### Lower-Division Requirement

ECON 205-3 Statistics for Business and the Social Sciences  
or STAT 240-3 Basic Statistics

ENGL 211-3 Survey of English Literature I

ENGL 212-3 Survey of English Literature II

POLS 100-3 Contemporary Political Issues

POLS 200-3 Canadian Government and Politics

POLS 202-3 Canada in Comparative Perspective

POLS 270-3 Political Philosophy: Antiquity to Early Modernity

POLS 290-3 Research and Writing for Political Science

One of the following:

ENGL 100-3 Introduction to Literary Structures

ENGL 102-3 Introduction to Poetry

ENGL 103-3 Introduction to Fiction

ENGL 104-3 Introduction to Film

Two of the following:

ENGL 210-3 Women and Literature: A Survey

ENGL 280-3 Shakespeare  
ENGL 281-3 Introduction to Renaissance Literature  
ENGL 282-3 Introduction to Restoration and 18th Century Literature  
ENGL 283-3 Introduction to Romantic Literature  
ENGL 284-3 Introduction to Victorian Literature  
ENGL 285-3 Modern British Literature

### Upper-Division Requirement

Of the thirteen English courses (39 credit hours) required for this joint major, seven courses (21 credit hours) must be at the 300 and/or 400 level, with at least two of those seven courses (6 of those 21 credit hours) at the 400 level.

POLS 303-3 Democracy and Democratization

POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity

Two of the following:

ENGL 320-3 First Nations Literature  
ENGL 331-3 Genres in Canadian Literature  
ENGL 340-3 Postcolonial Literature  
ENGL 350-3 Comparative Literature  
ENGL 381-3 Renaissance Literature  
ENGL 382-3 Restoration and 18th Century Literature  
ENGL 383-3 Romantic Literature  
ENGL 384-3 Victorian Literature  
ENGL 386-3 19th Century Literature in the United States  
ENGL 410-3 Contemporary Women's Literature  
ENGL 420-3 Special Topics in First Nations Literature  
ENGL 430-3 Special Topics in Canadian Literature  
ENGL 440-3 Special Topics in Postcolonial Literature I  
ENGL 450-3 Special Topics in Comparative Literature

Five additional English courses (15 credit hours). Up to two of the following ancillary courses (up to 6 credit hours) may be counted among those five additional courses:

WMST 306-3 Indigenous Women: Perspectives  
WMST 309-3 Gender and Film  
WMST 311-3 History of Feminism  
WMST 401-3 Cultural Studies: Gender, Race and Representation  
WMST 411-3 Contemporary Feminist Theories

Three additional courses (9 credit hours) of Political Science at the 400 level.

Two additional courses (6 credit hours) of Political Science at the upper division.

One of the following theory courses:

ENGL 200-3 Gender and Literary Theory  
ENGL 300-3 Theory  
ENGL 400-3 Contemporary Theory

### Elective and Academic Breadth

Electives at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours including any additional credit hours necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

## 5. Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":

# Joint Major in English/Political Science

The minimum requirement for completion of a Bachelor of Arts with a Joint Major in English and Political Science is 120 credit hours.

## Program Requirements

### Lower-Division Requirement

ECON 205-3 Statistics for Business and the Social Sciences

or STAT 240-3 Basic Statistics

ENGL 211-3 Survey of English Literature I

ENGL 212-3 Survey of English Literature II

POLS 100-3 Contemporary Political Issues

POLS 200-3 Canadian Government and Politics

POLS 202-3 Canada in Comparative Perspective

POLS 230-3 International Relations

POLS 270-3 Political Philosophy: Antiquity to Early Modernity

~~POLS 290-3 Research and Writing for Political Science~~

One of the following:

ENGL 100-3 Introduction to Literary Structures

ENGL 102-3 Introduction to Poetry

ENGL 103-3 Introduction to Fiction

ENGL 104-3 Introduction to Film

Two of the following:

ENGL 210-3 Women and Literature: A Survey

ENGL 280-3 Shakespeare

ENGL 281-3 Introduction to Renaissance Literature

ENGL 282-3 Introduction to Restoration and 18th Century Literature

ENGL 283-3 Introduction to Romantic Literature

ENGL 284-3 Introduction to Victorian Literature

ENGL 285-3 Modern British Literature

### Upper-Division Requirement

Of the ~~thirteen~~ 13 English courses (39 credit hours) required for this joint major, seven courses (21 credit hours) must be at the 300 and/or 400 level, with at least two of those seven courses (6 of those 21 credit hours) at the 400 level.

POLS 303-3 Democracy and Democratization

POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity

Two of the following:

ENGL 320-3 First Nations Literature

ENGL 331-3 Genres in Canadian Literature

ENGL 340-3 Postcolonial Literature

ENGL 350-3 Comparative Literature

ENGL 381-3 Renaissance Literature

ENGL 382-3 Restoration and 18th Century Literature

ENGL 383-3 Romantic Literature

ENGL 384-3 Victorian Literature



ENGL 386-3 19th Century Literature in the United States  
ENGL 410-3 Contemporary Women's Literature  
ENGL 420-3 Special Topics in First Nations Literature  
ENGL 430-3 Special Topics in Canadian Literature  
ENGL 440-3 Special Topics in Postcolonial Literature †  
ENGL 450-3 Special Topics in Comparative Literature

Five additional English courses (15 credit hours). Up to two of the following ancillary courses (up to 6 credit hours) may be counted among those five additional courses:

WMST 306-3 Indigenous Women: Perspectives  
WMST 309-3 Gender and Film  
WMST 311-3 History of Feminism  
WMST 401-3 Cultural Studies: Gender, Race and Representation  
WMST 411-3 Contemporary Feminist Theories

Three additional courses (9 credit hours) of Political Science at the 400 level.

Two additional courses (6 credit hours) of Political Science at the upper division.

One of the following theory courses:

ENGL 200-3 Gender and Literary Theory  
ENGL 300-3 Theory  
ENGL 400-3 Contemporary Theory

#### **Elective and Academic Breadth**

Electives at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours including any additional credit hours necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

#### **6. Authorization:**

**Program / Academic / Administrative Unit:** Political Science and Economics

**SCCC Reviewed:** January 28, 2020

**College:** Arts, Social and Health Sciences

**College Council Motion Number: OMNIBUS MOTION: CASHSCC.2020.03.19.07**

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

#### **7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to**  \_\_\_\_\_, **or information of** \_\_\_\_\_ **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to program requirements for the Joint Major in Geography and Political Science, on pages 135-36 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

Due to changes in faculty personnel and to bolster our required courses, we propose to replace POLS 290 Research and Writing for Political Science with POLS 230 International Relations as a degree requirement. The latter course is an introduction to one of the traditional sub-disciplinary areas within political science.

3. **Implications of the changes for other programs, etc., if applicable:**

This change has been approved by the Geography Program.

4. **Reproduction of current Calendar entry for the item to be revised:**

## Joint Major in Geography and Political Science

The minimum requirement for the completion of a Bachelor of Arts with a Joint Major in Geography and Political Science is 120 credit hours.

### Program Requirements

#### Lower-Division Requirement

GEOG 101-3 Planet Earth

or GEOG 102-3 Earth from Above

POLS 100-3 Contemporary Political Issues

POLS 200-3 Canadian Government and Politics

POLS 202-3 Canada in Comparative Perspective

POLS 270-3 Political Philosophy: Antiquity to Early Modernity

POLS 290-3 Research and Writing for Political Science

Four of the following:

GEOG 200-3 British Columbia: People and Places

GEOG 202-3 Resources, Economies, and Sustainability

GEOG 203-3 Canada: Places, Cultures and Identities

GEOG 204-3 Introduction to GIS for the Social Sciences

GEOG 206-3 Social Geography

GEOG 209-3 Migration and Development

GEOG 211-3 Natural Hazards: Human and Environmental Dimensions

GEOG 220-3 World Regions: Latin America and the Caribbean  
GEOG 222-3 World Regions: Russia  
GEOG 298-3 Special Topics

### Upper-Division Requirement

POLS 303-3 Democracy and Democratization  
POLS 320-3 Canadian Politics and Policy  
POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity

Four of the following:

GEOG 301-3 Cultural Geography  
GEOG 305-3 Political Ecology: Environmental Knowledge and Decision-Making  
GEOG 306-3 Critical Development Geographies  
GEOG 307-3 Changing Arctic: Human and Environmental Systems  
GEOG 308-3 Health Geography  
GEOG 324-3 Community-Based Research  
GEOG 333-3 Geography Field School

Three of the following:

GEOG 401-3 Tenure, Conflict, and Resource Geography  
GEOG 403-3 First Nations and Indigenous Geographies  
GEOG 420-3 Environmental Justice  
GEOG 424-3 Northern Communities  
GEOG 426-3 Geographies of Culture, Rights and Power

Three additional credit hours of POLS courses at the 300 level.

Nine additional credit hours of POLS courses at the 400 level.

### Elective Requirement

16 additional courses (48 credit hours) in any subject.

### 5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:

## Joint Major in Geography and Political Science

The minimum requirement for the completion of a Bachelor of Arts with a Joint Major in Geography and Political Science is 120 credit hours.

### Program Requirements

#### Lower-Division Requirement

GEOG 101-3 Planet Earth  
or GEOG 102-3 Earth from Above  
POLS 100-3 Contemporary Political Issues  
POLS 200-3 Canadian Government and Politics  
POLS 202-3 Canada in Comparative Perspective  
POLS 230-3 International Relations  
POLS 270-3 Political Philosophy: Antiquity to Early Modernity  
~~POLS 290-3 Research and Writing for Political Science~~

Four of the following:

GEOG 200-3 British Columbia: People and Places  
GEOG 202-3 Resources, Economies, and Sustainability

GEOG 203-3 Canada: Places, Cultures and Identities  
GEOG 204-3 Introduction to GIS for the Social Sciences  
GEOG 206-3 Social Geography  
GEOG 209-3 Migration and Development  
GEOG 211-3 Natural Hazards: Human and Environmental Dimensions  
GEOG 220-3 World Regions: Latin America and the Caribbean  
GEOG 222-3 World Regions: Russia  
GEOG 298-3 Special Topics

### **Upper-Division Requirement**

POLS 303-3 Democracy and Democratization  
POLS 320-3 Canadian Politics and Policy  
POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity

Four of the following:

GEOG 301-3 Cultural Geography  
GEOG 305-3 Political Ecology: Environmental Knowledge and Decision-Making  
GEOG 306-3 Critical Development Geographies  
GEOG 307-3 Changing Arctic: Human and Environmental Systems  
GEOG 308-3 Health Geography  
GEOG 324-3 Community-Based Research  
GEOG 333-3 Geography Field School

Three of the following:

GEOG 401-3 Tenure, Conflict, and Resource Geography  
GEOG 403-3 First Nations and Indigenous Geographies  
GEOG 420-3 Environmental Justice  
GEOG 424-3 Northern Communities  
GEOG 426-3 Geographies of Culture, Rights and Power

Three additional credit hours of POLS courses at the 300 level.

Nine additional credit hours of POLS courses at the 400 level.

### **Elective Requirement**

~~16 additional courses (48 credit hours) in any subject.~~

#### **Elective and Academic Breadth**

Electives at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours including any additional credit hours necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

#### **6. Authorization:**

**Program / Academic / Administrative Unit:** Political Science and Economics

**SCCC Reviewed:** January 28, 2020

**College:** Arts, Social and Health Sciences

**College Council Motion Number:** **OMNIBUS MOTION: CASHSCC.2020.03.19.07**

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to program requirements for the Joint Major in History/Political Science, on page 150 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

Due to changes in faculty personnel and to bolster our required courses, we propose to replace POLS 290 Research and Writing for Political Science with POLS 230 International Relations as a degree requirement. The latter course is an introduction to one of the traditional sub-disciplinary areas within political science.

3. **Implications of the changes for other programs, etc., if applicable:**

This change has been approved by the History Department.

4. **Reproduction of current Calendar entry for the item to be revised:**

## Joint Major in History/Political Science

The minimum requirement for completion of a Bachelor of Arts with a Joint Major in History and Political Science is 120 credit hours.

### Program Requirements

#### Lower-Division Requirement

HIST 190-3 World History to 1550

HIST 191-3 World History since 1550

POLS 100-3 Contemporary Political Issues

ECON 205-3 Statistics for Business and the Social Sciences

or STAT 240-3 Basic Statistics

POLS 200-3 Canadian Government and Politics

POLS 202-3 Canada in Comparative Perspective

POLS 270-3 Political Philosophy: Antiquity to Early Modernity

POLS 290-3 Research and Writing for Political Science

Nine credit hours of History at the 100 or 200 level.

#### Upper-Division Requirement

HIST 300-3 Historiography: The Nature of the Historical Discipline

POLS 303-3 Democracy and Democratization

POLS 320-3 Canadian Politics and Policy

POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity  
Nine credit hours in Political Science at the 400 level.  
Eighteen credit hours in History at the 300 or 400 level.

### **Elective and Academic Breadth**

Electives at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours including any additional credit hours necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

## **5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

## **Joint Major in History/Political Science**

The minimum requirement for completion of a Bachelor of Arts with a Joint Major in History and Political Science is 120 credit hours.

### **Program Requirements**

#### **Lower-Division Requirement**

HIST 190-3 World History to 1550  
HIST 191-3 World History since 1550  
POLS 100-3 Contemporary Political Issues  
ECON 205-3 Statistics for Business and the Social Sciences  
or STAT 240-3 Basic Statistics  
POLS 200-3 Canadian Government and Politics  
POLS 202-3 Canada in Comparative Perspective  
POLS 230-3 International Relations  
POLS 270-3 Political Philosophy: Antiquity to Early Modernity  
~~POLS 290-3 Research and Writing for Political Science~~

Nine credit hours of History at the 100 or 200 level.

#### **Upper-Division Requirement**

HIST 300-3 Historiography: The Nature of the Historical Discipline  
POLS 303-3 Democracy and Democratization  
POLS 320-3 Canadian Politics and Policy  
POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity

Nine credit hours in Political Science at the 400 level.  
Eighteen credit hours in History at the 300 or 400 level.

### **Elective and Academic Breadth**

Electives at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours including any additional credit hours necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).



6. **Authorization:**

**Program / Academic / Administrative Unit:** Political Science and Economics

**SCCC Reviewed:** January 28, 2020

**College:** Arts, Social and Health Sciences

**College Council Motion Number:** OMNIBUS MOTION: CASHSCC.2020.03.19.07

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to program requirements for the Joint Major in Global and International Studies/Political Science, on pages 144-45 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

Due to changes in faculty personnel and to bolster our required courses, we propose to replace POLS 290 Research and Writing for Political Science with POLS 230 International Relations as a degree requirement. The latter course is an introduction to one of the traditional sub-disciplinary areas within political science.

3. **Implications of the changes for other programs, etc., if applicable:**

This change has been approved by the Department of Global and International Studies.

4. **Reproduction of current Calendar entry for the item to be revised:**

## Joint Major in Global and International Studies/Political Science

The minimum requirement for completion of a Bachelor of Arts with a joint major in Global and International Studies and Political Science is 120 credit hours.

### **Lower-Division Requirement**

ECON 100-3 Microeconomics

ECON 101-3 Macroeconomics

ECON 205-3 Statistics for Business and the Social Sciences

or STAT 240-3 Basic Statistics

INTS 100-3 Introduction to Global Studies

INTS 210-3 Globalizations

POLS 100-3 Contemporary Political Issues

POLS 200-3 Canadian Government and Politics

POLS 202-3 Canada in Comparative Perspective

POLS 270-3 Political Philosophy: Antiquity to Early Modernity

POLS 290-3 Research and Writing for Political Science

### **Upper-Division Requirement**

INTS 310-3 Origins and Evolution of Our Globalizing World

INTS 490-3 Global Capstone

POLS 303-3 Democracy and Democratization

POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity

One of the following:

- POLS 305-3 United States Politics
- POLS 309-3 Politics and Society in China
- POLS 311-3 Russian Politics and Society
- POLS 314-3 European Politics and Government
- POLS 315-3 Contemporary Issues in the Circumpolar World
- POLS 380-3 Law and Indigenous Peoples

One of the following:

- POLS 405-3 Topics in Society and Democracy
- POLS 414-3 Comparative Federalism
- POLS 415-3 Comparative Northern Development
- POLS 480-3 Law and Politics in the Arctic

Nine additional credit hours of upper division Global and International Studies (INTS) courses.

Six additional credit hours of 400 level Political Science (POLS) courses. Six additional credit hours of 300 or 400 level Global and International Studies (INTS) or Political Science (POLS) courses.

### **Language and Regional Studies Requirement**

One of the following:

- GEOG 220-3 World Regions: Latin America and the Caribbean
- GEOG 222-3 World Regions: Russia
- HIST 281-3 Republican Latin America
- INTS 200-3 Contemporary Russia
- INTS 203-3 Contemporary Japan
- INTS 204-3 Contemporary China
- INTS 207-3 Contemporary Latin America
- INTS 240-3 Contemporary Circumpolar North

Twelve credit hours of Global and International Studies (INTS) language courses. At least 6 credit hours must be in one language.

### **Elective and Academic Breadth**

Electives at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours including any additional credits necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

## **5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

# **Joint Major in Global and International Studies/Political Science**

The minimum requirement for completion of a Bachelor of Arts with a joint major in Global and International Studies and Political Science is 120 credit hours.

### **Lower-Division Requirement**

- ECON 100-3 Microeconomics
- ECON 101-3 Macroeconomics
- ECON 205-3 Statistics for Business and the Social Sciences  
or STAT 240-3 Basic Statistics
- INTS 100-3 Introduction to Global Studies
- INTS 210-3 Globalizations
- POLS 100-3 Contemporary Political Issues
- POLS 200-3 Canadian Government and Politics
- POLS 202-3 Canada in Comparative Perspective

POLS 230-3 International Relations

POLS 270-3 Political Philosophy: Antiquity to Early Modernity

~~POLS 290-3 Research and Writing for Political Science~~

### **Upper-Division Requirement**

INTS 310-3 Origins and Evolution of Our Globalizing World

INTS 490-3 Global Capstone

POLS 303-3 Democracy and Democratization

POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity

One of the following:

POLS 305-3 United States Politics

POLS 309-3 Politics and Society in China

POLS 311-3 Russian Politics and Society

POLS 314-3 European Politics and Government

POLS 315-3 Contemporary Issues in the Circumpolar World

POLS 380-3 Law and Indigenous Peoples

One of the following:

POLS 405-3 Topics in Society and Democracy

POLS 414-3 Comparative Federalism

POLS 415-3 Comparative Northern Development

POLS 480-3 Law and Politics in the Arctic

Nine additional credit hours of upper division Global and International Studies (INTS) courses.

Six additional credit hours of 400\_-level Political Science (POLS) courses. Six additional credit hours of 300\_- or 400\_-level Global and International Studies (INTS) or Political Science (POLS) courses.

### **Language and Regional Studies Requirement**

One of the following:

GEOG 220-3 World Regions: Latin America and the Caribbean

GEOG 222-3 World Regions: Russia

HIST 281-3 Republican Latin America

INTS 200-3 Contemporary Russia

INTS 203-3 Contemporary Japan

INTS 204-3 Contemporary China

INTS 207-3 Contemporary Latin America

INTS 240-3 Contemporary Circumpolar North

Twelve credit hours of Global and International Studies (INTS) language courses. At least 6 credit hours must be in one language.

### **Elective and Academic Breadth**

Electives at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours including any additional credits necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

6. **Authorization:**

**Program / Academic / Administrative Unit:** Political Science and Economics

**SCCC Reviewed:** January 28, 2020

**College:** Arts, Social and Health Sciences

**College Council Motion Number: OMNIBUS MOTION: CASHSCC.2020.03.19.07**

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to program requirements for the Joint Major in Political Science/ Women's Studies, on page 172 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

Due to changes in faculty personnel and to bolster our required courses, we propose to replace POLS 290 Research and Writing for Political Science with POLS 230 International Relations as a degree requirement. The latter course is an introduction to one of the traditional sub-disciplinary areas within political science.

3. **Implications of the changes for other programs, etc., if applicable:**

This change has been approved by the Women's Studies Program.

4. **Reproduction of current Calendar entry for the item to be revised:**

## Joint Major in Political Science/ Women's Studies

The Political Science/Women's Studies Joint Major equips students to understand the relationship between the study of the literature and its women's studies context. The degree is particularly attractive to students who intend to pursue a career in teaching or further studies in Political Science or Women's Studies.

The minimum requirement for completion of a Bachelor of Arts with a Joint Major in Political Science and Women's Studies is 120 credit hours.

### Program Requirements

#### Lower-Division Requirement

ECON 205-3 Statistics for Business and the Social Sciences  
or STAT 240-3 Basic Statistics

POLS 100-3 Contemporary Political Issues

POLS 200-3 Canadian Government and Politics

POLS 202-3 Canada in Comparative Perspective

POLS 270-3 Political Philosophy: Antiquity to Early Modernity

POLS 290-3 Reading and Writing for Political Science

WMST 100-3 Introduction to Women's Studies

Three additional Women's Studies courses (9 credit hours) at the 100 or 200 level.

#### Upper-Division Requirement

HIST 311-3 History of Feminism

INTS 308-3 Gender and International Studies

POLS 320-3 Canadian Politics and Policy  
POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity  
WMST 302-3 Women and the Contemporary World  
WMST 307-3 Qualitative Research Methods  
Three additional Political Science courses (9 credit hours) at the 400 level.

#### **Additional Requirement**

Three additional courses selected from the following:

ANTH 401-3 Anthropological Perspectives on Inequality  
ANTH 406-3 Feminist Perspectives in Anthropology  
ECON 301-3 Women and the Economy  
ENVS 309-3 Gender and Environment  
FNST 407-3 First Nations Perspectives on Race, Class, Gender and Power  
HIST 309-3 Women in Canada  
HIST 453-3 Topics in the History of Gender  
HIST 454-3 Topics in Women's History  
NURS 412-3 Women and Health  
SOCW 433-3 Women in the Human Services  
SOCW 449-3 Gender and Sexuality  
WMST 303-3 Lesbian and Bisexual Lives  
WMST 304-3 Contemporary Women's Writing in an International Frame  
WMST 309-3 Gender and Film  
WMST 312-3 Introduction to the History of Gender  
WMST 401-3 Cultural Studies: Gender, Race, and Representation  
WMST 410-3 Feminist Political Philosophy  
WMST 411-3 Contemporary Feminist Theories  
WMST 413-3 Topics in Aboriginal Women's Studies  
WMST 420-3/ ENGL 410-3 Contemporary Women's Literature  
WMST 498-(3-6) Selected Topics in Women's Studies

#### **Elective and Academic Breadth**

Electives at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours including any additional credits necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

#### **5. Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

## **Joint Major in Political Science/ Women's Studies**

The Political Science/Women's Studies Joint Major equips students to understand the relationship between the study of the literature and its women's studies context. The degree is particularly attractive to students who intend to pursue a career in teaching or further studies in ~~P~~olitical ~~S~~cience or ~~W~~omen's ~~S~~tudies.

The minimum requirement for completion of a Bachelor of Arts with a Joint Major in Political Science and Women's Studies is 120 credit hours.

### **Program Requirements**

#### **Lower-Division Requirement**

ECON 205-3 Statistics for Business and the Social Sciences  
or STAT 240-3 Basic Statistics  
POLS 100-3 Contemporary Political Issues

POLS 200-3 Canadian Government and Politics  
POLS 202-3 Canada in Comparative Perspective  
POLS 230-3 International Relations  
POLS 270-3 Political Philosophy: Antiquity to Early Modernity  
~~POLS 290-3 Reading and Writing for Political Science~~  
WMST 100-3 Introduction to Women's Studies  
Three additional Women's Studies courses (9 credit hours) at the 100 or 200 level.

#### **Upper-Division Requirement**

HIST 311-3 History of Feminism  
INTS 308-3 Gender and International Studies  
POLS 320-3 Canadian Politics and Policy  
POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity  
WMST 302-3 Women and the Contemporary World  
WMST 307-3 Qualitative Research Methods  
Three additional Political Science courses (9 credit hours) at the 400 level.

#### **Additional Requirement**

Three ~~additional courses selected from~~ of the following:

ANTH 401-3 Anthropological Perspectives on Inequality  
ANTH 406-3 Feminist Perspectives in Anthropology  
ECON 301-3 Women and the Economy  
ENVS 309-3 Gender and Environment  
FNST 407-3 First Nations Perspectives on Race, Class, Gender and Power  
HIST 309-3 Women in Canada  
HIST 453-3 Topics in the History of Gender  
HIST 454-3 Topics in Women's History  
NURS 412-3 Women and Health  
SOCW 433-3 Women in the Human Services  
SOCW 449-3 Gender and Sexuality  
WMST 303-3 Lesbian and Bisexual Lives  
WMST 304-3 Contemporary Women's Writing in an International Frame  
WMST 309-3 Gender and Film  
WMST 312-3 Introduction to the History of Gender  
WMST 401-3 Cultural Studies: Gender, Race, and Representation  
WMST 410-3 Feminist Political Philosophy  
WMST 411-3 Contemporary Feminist Theories  
WMST 413-3 Topics in Aboriginal Women's Studies  
WMST 420-3/ENGL 410-3 Contemporary Women's Literature  
WMST 498-(3-6) Selected Topics in Women's Studies

#### **Elective and Academic Breadth**

Electives at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours including any additional credits necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).



6. **Authorization:**

**Program / Academic / Administrative Unit:** Political Science and Economics

**SCCC Reviewed:** January 28, 2020

**College:** Arts, Social and Health Sciences

**College Council Motion Number: OMNIBUS MOTION: CASHSCC.2020.03.19.07**

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to program requirements for the Major in Political Science, on page 171 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

Due to changes in faculty personnel and to bolster our required courses, we propose to replace POLS 290 Research and Writing for Political Science with POLS 230 International Relations as a degree requirement. The latter course is an introduction to one of the traditional sub-disciplinary areas within political science. The description of the major has been slightly modified accordingly.

3. **Implications of the changes for other programs, etc., if applicable:**

None.

4. **Reproduction of current Calendar entry for the item to be revised:**

## Major in Political Science

Political Science majors are required to take 51 credit hours in Political Science and related disciplines.

The Political Science major offers a foundation in four fields of political science: Canadian Government, Comparative Politics, Political Philosophy and International Politics.

The minimum requirement for completion of a Bachelor of Arts with a major in Political Science is 120 credit hours.

### Program Requirements

#### Lower-Division Requirement

##### 100 Level

POLS 100-3 Contemporary Political Issues

INTS 100-3 Introduction to Global Studies

##### 200 Level

POLS 200-3 Canadian Government and Politics

POLS 202-3 Canada in Comparative Perspective

POLS 270-3 Political Philosophy: Antiquity to Early Modernity

POLS 290-3 Research and Writing for Political Science

#### Upper-Division Requirement

POLS 303-3 Democracy and Democratization

POLS 320-3 Canadian Politics and Policy

POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity

Nine credit hours of 400-level Political Science courses  
Six additional credit hours of upper-division Political Science courses  
Nine credit hours of upper-division Global and International Studies courses

#### **Elective and Academic Breadth**

Students take electives at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours. This includes taking any additional credits necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

#### **5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

## **Major in Political Science**

Political Science majors are required to take 51 credit hours in Political Science and related disciplines.

The Political Science major offers a foundation in four fields of political science: Canadian Government, Comparative Politics, International Relations and Political Philosophy ~~and International Politics~~.

The minimum requirement for completion of a Bachelor of Arts with a major in Political Science is 120 credit hours.

## **Program Requirements**

### **Lower-Division Requirement**

#### **100 Level**

POLS 100-3 Contemporary Political Issues  
INTS 100-3 Introduction to Global Studies

#### **200 Level**

POLS 200-3 Canadian Government and Politics  
POLS 202-3 Canada in Comparative Perspective  
POLS 230-3 International Relations  
POLS 270-3 Political Philosophy: Antiquity to Early Modernity  
~~POLS 290-3 Research and Writing for Political Science~~

### **Upper-Division Requirement**

POLS 303-3 Democracy and Democratization  
POLS 320-3 Canadian Politics and Policy  
POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity

Nine credit hours of 400-level Political Science courses  
Six additional credit hours of upper-division Political Science courses  
Nine credit hours of upper-division Global and International Studies courses

#### **Elective and Academic Breadth**

Students take electives at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours. This includes taking any additional credits necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

6. **Authorization:**

**Program / Academic / Administrative Unit:** Political Science and Economics

**SCCC Reviewed:** January 28, 2020

**College:** Arts, Social and Health Sciences

**College Council Motion Number: OMNIBUS MOTION: CASHSCC.2020.03.19.07**

**College Council Approval Date:** March 19, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the course description and preclusion for PHIL 201-3, Philosophy of Science, on page 260 of the PDF calendar accessible on the UNBC web page of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** May 2020
2. **Rationale for the proposed revisions:** The preclusion of POLS 205-3 Philosophy of Science is no longer needed because it was last offered in 2007 and has been deleted from the calendar, effective September 2018. The course description has been updated and tightened.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**  
PHIL 201-3 Philosophy of Science  
A service course intended to introduce students to the conceptual/logical foundations of sciences. Topics include the nature of logic, scientific explanation, law, theories, use of probability and statistics, role of ethics and politics in science.  
Prerequisites: None  
Precluded: POLS 205-3
5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**  
PHIL 201-3 Philosophy of Science  
~~A service~~ This course ~~intended to~~ introduces students to the conceptual/ and logical foundations of sciences. Topics include: the nature of logic, scientific explanations, laws, and theories; the use of probability and statistics; and the role of ethics and politics in science.  
Prerequisites: None  
~~Precluded: POLS 205-3~~
6. **Authorization:**  
**Program / Academic / Administrative Unit:** Political Science  
**SCCC Reviewed:** January 28, 2020  
**College:** CASHS  
**College Council Motion Number:** CASHSCC.2020.03.19.08  
**College Council Approval Date:** March 19, 2020  
**Senate Committee on First Nations and Aboriginal Peoples Motion Number:**

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:**

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:**                   SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_

**Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**  
**NEW COURSE APPROVAL MOTION FORM**

**Motion:** That the new course PSYC 436-3 PSYCHOLINGUISTICS be approved as follows:

**A. Description of the Course**

1. **Proposed semester of first offering:** September 2020
2. **Academic Program:** Psychology
3. **Course Subject, Number\*, and Credit hours (e.g. CHEM 210-3):** PSYC 436-3
4. **Course Title:** Psycholinguistics
5. **Goal(s) of Course:**
  - Describe and discuss the major historical and theoretical influences of the field of psycholinguistics.
  - Examine the psychological study of language from both theoretical and applied (e.g., speech language pathology) perspectives.
  - Provide opportunities and guidance for advanced critical thinking, discussion, and writing in complex topics in psycholinguistics.
  - Provide students wanting to explore a career path in speech-language pathology an opportunity to learn about relevant theory and research.

**6. Calendar Course Description:**

**PSYC 436-3 Psycholinguistics** This course deals with contemporary issues in the field of psycholinguistics, a branch of cognitive science. Emphasis is on the theories and research related to the structure of language, language acquisition, speech perception and production, sentence processing, reading, language and the brain, language disorders, bilingualism, and language and culture/technology. The course applies psycholinguistic theory and research to practical examples.

7. **Credit Hours:**   3   credit hours (Normally, UNBC courses are 3 credit hours and may not be repeated for additional credit. If this course falls outside the norm, please complete sections "a)" and "b)" below).

**a) Can the course be repeated for credit if the subject matter differs substantially?**

Yes\*        No   X  

\* If "yes," please indicate the maximum number\*\* of credit hours which may be applied to a student's degree using this course:       #      

\*\* If the course may be taken more than once but will only ever be offered for 3 credit hours, for example, per offering, the credit hours are simply expressed as "3" and the following notation (with the correct number of credit hours noted) is included within the Calendar Course Description:

"This course may be repeated to a maximum of XX credit hours if the material is substantially different."

b) Is variable credit available for this course? Yes \_\_\_\_\_ No X

Variable credit is denoted by the following examples:

- i) "3-6": in this example, the course may be offered for 3, 4, 5, OR 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3-6).
- ii) "3,6": in this example, the course may be offered for EITHER 3 or 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3,6).

8. **Contact Hours (per week):**

Lecture 3

Seminar \_\_\_\_\_

Laboratory \_\_\_\_\_

Other (please specify) \_\_\_\_\_

9. **Prerequisites (taken prior):** PSYC 315-4, and students must achieve a minimum grade of C in either PSYC 318 or 332-3, or obtain the permission of the instructor.

10. **Prerequisites with concurrency (taken prior or simultaneously):** none

11. **Co-requisites (must be taken simultaneously):** none

12. **Preclusions:** none

13. **Course Equivalencies:** none

14. **Grade Mode:** NORMAL (i.e., alpha grade)

15. **Course to be offered:** each semester \_\_\_\_\_

each year \_\_\_\_\_

alternating years X

16. **Proposed text / readings:**

Ludden, D. (2016). *The Psychology of Language: An integrated approach*. Los Angeles, CA: Sage

**B. Significance Within Academic Program**

1. **Anticipated enrolment** 30

2. **If there is a proposed enrolment limit, state the limit and explain:** #

3. **Required for:** Major: \_\_\_\_\_ Minor: \_\_\_\_\_ Other: \_\_\_\_\_

4. **Elective in:** Major: YES Minor: YES Other: HONOURS

5. **Course required by another major/minor:** No

6. **Course required or recommended by an accrediting agency:** No

7. **Toward what degrees will the course be accepted for credit?** BSc Psychology

8. **What other courses are being proposed within the Program this year?** None

9. **What courses are being deleted from the Program this year?** None.

**C. Relation to Other Program Areas** none

1. **Identify courses in other UNBC Programs that overlap with this course; describe the overlap and comment on its significance:**

2. **Is a preclusion required?** Yes \_\_\_\_\_ No X

3. **If there is an overlap, and no preclusion is required, please explain why not:** no overlap

4. **Has this overlap been discussed with the Program concerned?** Yes \_\_\_\_\_ No X

5. **In offering this course, will UNBC require facilities or staff at other institutions?**

Yes \_\_\_\_\_ No X **If yes, please describe requirements:**

6. **Is this course replacing an existing course that is included in one or more transfer agreements with external institutions?** Yes \_\_\_\_\_ No X

**If "yes," please contact the Articulation Officer in the Office of the Registrar.**



**D. Resources required** none

**1. Please describe ADDITIONAL resources required over the next five years to offer this course.**

- i. **College Staffing:** none
- ii. **Space (classroom, laboratory, storage, etc.):** classroom
- iii: **Library Holdings:** See attached form
- iv. **Computer (time, hardware, software):** none

**E. Additional Attached Materials** none

**F. Other Considerations**

- 1. **First Nations Content\*:** Yes\*\* \_\_\_\_\_ No  X
- 2. **Other Information:** This course is a required prerequisite for students wanting to study in a speech-language pathology program. By offering this course at UNBC, we can reduce the number of pre-program entry courses students are required to take. Given the professional nature of the speech-language pathology program, a minimum prerequisite grade for completing either PSYC 318 or 332 has been proposed. In addition, this course is an advanced and specialized extension of PSYC 318 or PSYC 332.
- 3. **Attachment Pages (in addition to required "Library Holdings" Form):**  0  pages (fill in number of pages, or indicate "0" if there are no additional attachment pages)

**G. Authorization**

- 1. **College(s):** CASHS
- 2. **SCCC Review Date:** January 28, 2020
- 3. **College Council Motion Number(s):** CASHS.CC.2020.03.19.05
- 4. **College Council Approval Date(s):** March 19, 2020
- 5. **Senate Committee on First Nations and Aboriginal Peoples Motion Number:**
- 6. **Senate Committee on First Nations and Aboriginal Peoples Meeting Date:**

**INFORMATION TO BE COMPLETED BY RECORDING SECRETARY AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Chair's Signature**

**For recommendation to  ✓ , or information of \_\_\_\_\_ Senate.**

**Library Holdings Form**  
**(to be submitted with SCAAF New Course Approval Motion Form)**

*(Please complete the sections highlighted in blue in the footer of this document)*

**PROPOSED NEW COURSE: PSYC 436-3 Psycholinguistics**

**Library Holdings** (to be completed by the appropriate Librarian):

a) Are current library holdings adequate?      Yes \_\_\_\_\_      No   x  

b) If no to a), what monographs / periodicals / E-resources will be needed, and at what estimated cost?

Additional monographs will need to be purchased. General introductory texts in the field of psycholinguistics are needed as well as texts specific to language acquisition, language processing, language disorders, and bilingualism. Consultation with the faculty member teaching this course will be helpful in determining the most relevant titles to purchase. These materials will cost approximately \$3000.

c) If no to a), what is the proposed funding source?

The Library's subject-specific acquisitions funds (Psychology) can accommodate these purchases in the 2020/21 fiscal year.

  
\_\_\_\_\_  
**University Librarian (or designate) signature**

01/20/2020  
\_\_\_\_\_  
**Date**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the prerequisites or co-requisites for FSTY 201-3 Forest Plant Systems, on page 231 of the 2019-2020 undergraduate calendar be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:** The Forestry Curriculum Committee has indicated that based on shifts in the course content of FSTY 201-3 (Forest Plant Systems) that FSTY 205-3 (Introduction to Soil Science) is no longer required as co-requisite

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

FSTY 201-3 Forest Plant Systems This course provides knowledge and understanding of classification, nomenclature and identification, morphology, phenology, range, natural history, evolutionary relationships, and basic ecology of important trees (native and exotic) and forest plant families (woody and herbaceous) in western Canada. The course also provides a survey of plant indicator potential and attributes significant to vegetation management. The course includes the development of a plant collection and field trips are required.

Prerequisites: BIOL 101-4, or BIOL 103-3 and BIOL 123-1; and BIOL 102-4, or BIOL 104-3 and BIOL 124-1

Prerequisite or co-requisite: FSTY 205-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~striketrough~~”:**

FSTY 201-3 Forest Plant Systems This course provides knowledge and understanding of classification, nomenclature and identification, morphology, phenology, range, natural history, evolutionary relationships, and basic ecology of important trees (native and exotic) and forest plant families (woody and herbaceous) in western Canada. The course also provides a survey of plant indicator potential and attributes significant to vegetation management. Each student develops a plant collection and takes part in required field trips. ~~The course includes the development of a plant collection and field trips are required.~~

Prerequisites: BIOL 101-4, or BIOL 103-3 and BIOL 123-1; and BIOL 102-4, or BIOL 104-3 and BIOL 124-1

~~Prerequisite or co-requisite: FSTY 205-3~~

6. **Authorization:**

**Program / Academic / Administrative Unit:** ESM

**College:** CSAM

**SCCC Reviewed:** February 28, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:04

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**NEW COURSE APPROVAL MOTION FORM**

**Motion:** That the new course in MATHEMATICS, MATH 481–3, Analytic Number Theory, be approved as follows:

**A. Description of the Course**

1. **Proposed semester of first offering:** September 2020
2. **Academic Program:** Mathematics and Statistics
3. **Course Subject, Number\*, and Credit hours (e.g. CHEM 210-3):** MATH 481-3
4. **Course Title:** Analytic Number Theory
5. **Goal(s) of Course:** The students in this course will gain an appreciation and understanding of the fundamental techniques in the classical analytic theory of numbers and its most important achievements. They will learn how to employ various techniques from real and complex analysis to answer questions in number theory. By the end of this course, the successful students will be able to understand most of the current research literature in this area, and those interested will be well equipped to pursue further research in this field.
6. **Calendar Course Description:** This is a first course in analytic number theory. This course covers the following topics, with other topics as time permits: arithmetic functions and their average orders; prime counting functions; elementary theorems on the distribution of prime numbers; Dirichlet characters; Dirichlet theorem on primes in arithmetic progressions; Dirichlet series and Euler products; analytic properties of the Riemann zeta function and Dirichlet L-functions; the prime number theorem; and the prime number theorem in arithmetic progressions.
7. **Credit Hours:**   3   credit hours (Normally, UNBC courses are 3 credit hours and may not be repeated for additional credit. If this course falls outside the norm, please complete sections “a)” and “b)” below).

**a) Can the course be repeated for credit if the subject matter differs substantially?**

  No          X  

\* If “yes,” please indicate the maximum number\*\* of credit hours which may be applied to a student’s degree using this course:   #  

\*\* If the course may be taken more than once but will only ever be offered for 3 credit hours, for example, per offering, the credit hours are simply expressed as “3” and the following notation (with the correct number of credit hours noted) is included within the Calendar Course Description:  
*“This course may be repeated to a maximum of XX credit hours if the material is substantially different.”*

**b) Is variable credit available for this course? No   X**

Variable credit is denoted by the following examples:

- i) "3-6": in this example, the course may be offered for 3, 4, 5, OR 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3-6).
- ii) "3,6": in this example, the course may be offered for EITHER 3 or 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3,6).

**8. Contact Hours (per week):**

Lecture   3  

Seminar   0  

Laboratory   0  

Other (please specify)   0  

**9. Prerequisites (taken prior):** MATH 201, MATH 302 and MATH 480

**10. Prerequisites with concurrency (taken prior or simultaneously):** None

**11. Co-requisites (must be taken simultaneously):** None

**12. Preclusions:** None

**13. Course Equivalencies:** None

**14. Grade Mode:** NORMAL (i.e., alpha grade)

**15. Course to be offered:** each semester           

(Check one) each year           

alternating years   X  

**16. Proposed text / readings:**

- Introduction to Analytic Number Theory by Tom M. Apostol
- Multiplicative Number Theory I: Classical Theory by Hugh L. Montgomery and Robert C. Vaughan

**B. Significance Within Academic Program**

**1. Anticipated enrolment**   10  

**2. If there is a proposed enrolment limit, state the limit and explain:**   None  

**3. Required for:** Major:                            Minor:                            Other:

**4. Elective in:** Major:   X   Minor:   X   Other:

**5. Course required by another major/minor:** None

**6. Course required or recommended by an accrediting agency:** None

**7. Toward what degrees will the course be accepted for credit?** Any degree

**8. What other courses are being proposed within the Program this year?**

Six other courses are being proposed within the program this year. These courses are MATH 435, MATH 635, MATH 436, MATH 636, MATH 681, and MATH 799.

9. What courses are being deleted from the Program this year? None

### C. Relation to Other Program Areas

1. Identify courses in other UNBC Programs that overlap with this course; describe the overlap and comment on its significance: None

2. Is a preclusion required? No  X

3. If there is an overlap, and no preclusion is required, please explain why not: Not applicable

4. Has this overlap been discussed with the Program concerned? Not applicable

5. In offering this course, will UNBC require facilities or staff at other institutions?

No  X

If yes, please describe requirements:

6. Is this course replacing an existing course that is included in one or more transfer agreements with external institutions?

No  X

If “yes,” please contact the Articulation Officer in the Office of the Registrar.

### D. Resources required

1. Please describe ADDITIONAL resources required over the next five years to offer this course.

i. College Staffing: None

ii. Space (classroom, laboratory, storage, etc.): Normal classroom space

iii: Library Holdings: See attached form

iv. Computer (time, hardware, software): None

### E. Additional Attached Materials

### F. Other Considerations

1. First Nations Content\*: No  X

\* *Whether a new course has First Nations content is to be determined by the relevant College Council(s).*

\*\*If “yes,” refer the motion to the Senate Committee on First Nations and Aboriginal Peoples prior to SCAAF.

2. Other Information: none

3. Attachment Pages (in addition to required “Library Holdings” Form):  0  pages

**G. Authorization**

1. **SCCC Reviewed:** January 28, 2020
2. **College(s):** CSAM
3. **College Council Motion Number(s):** CSAMCC 2020: 03:12:05
4. **College Council Approval Date(s):** March 12, 2020
5. **Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable
6. **Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

<b>INFORMATION TO BE COMPLETED BY RECORDING SECRETARY AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING</b>	
<b>Brief Summary of Committee Debate:</b>	
<b>Motion No.:</b>	SCAAF
<b>Moved by:</b>	<b>Seconded by:</b>
<b>Committee Decision:</b>	
<b>Approved by SCAAF:</b>	_____
<b>Date</b>	<b>Chair's Signature</b>
<b>For recommendation to <u> X </u>, or information of _____ Senate.</b>	



Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**NEW COURSE APPROVAL MOTION FORM**

**Motion:** That the new course in MATHEMATICS, MATH 681–3, Analytic Number Theory, be approved as follows:

**A. Description of the Course**

1. **Proposed semester of first offering:** September 2020
2. **Academic Program:** Mathematics and Statistics
3. **Course Subject, Number\*, and Credit hours (e.g. CHEM 210-3):** MATH 681-3
4. **Course Title:** Analytic Number Theory
5. **Goal(s) of Course:** The students in this course will gain an appreciation and understanding of the fundamental techniques in the classical analytic theory of numbers and its most important achievements. They will learn how to employ various techniques from real and complex analysis to answer questions in number theory. By the end of this course, the successful students will be able to understand most of the current research literature in this area, and those interested will be well equipped to pursue further research in this field.
6. **Calendar Course Description:** This is an advanced course in analytic number theory. This course covers the following topics, with other topics as time permits: arithmetic functions and their average orders; prime counting functions; elementary theorems on the distribution of prime numbers; Dirichlet characters; Dirichlet theorem on primes in arithmetic progressions; Dirichlet series and Euler products; analytic properties of the Riemann zeta function and Dirichlet L-functions; the prime number theorem; and the prime number theorem in arithmetic progressions.
7. **Credit Hours:**   3   credit hours (Normally, UNBC courses are 3 credit hours and may not be repeated for additional credit. If this course falls outside the norm, please complete sections “a)” and “b)” below).

**a) Can the course be repeated for credit if the subject matter differs substantially?**

  No          X  

\* If “yes,” please indicate the maximum number\*\* of credit hours which may be applied to a student’s degree using this course:   #  

\*\* If the course may be taken more than once but will only ever be offered for 3 credit hours, for example, per offering, the credit hours are simply expressed as “3” and the following notation (with the correct number of credit hours noted) is included within the Calendar Course Description:  
“This course may be repeated to a maximum of XX credit hours if the material is substantially different.”

b) Is variable credit available for this course? No X

Variable credit is denoted by the following examples:

- i) "3-6": in this example, the course may be offered for 3, 4, 5, OR 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3-6).
- ii) "3,6": in this example, the course may be offered for EITHER 3 or 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3,6).

8. Contact Hours (per week):

Lecture 3

Seminar 0

Laboratory 0

Other (please specify) 0

9. Prerequisites (taken prior): Permission of instructor

10. Prerequisites with concurrency (taken prior or simultaneously): None

11. Co-requisites (must be taken simultaneously): None

12. Preclusions: MATH 481-3

13. Course Equivalencies: none

14. Grade Mode: NORMAL (i.e., alpha grade)

15. Course to be offered: each semester \_\_\_\_\_

(Check one) each year \_\_\_\_\_

alternating years X

16. Proposed text / readings:

- Introduction to Analytic Number Theory by Tom M. Apostol
- Multiplicative Number Theory I: Classical Theory by Hugh L. Montgomery and Robert C. Vaughan

**B. Significance Within Academic Program**

1. Anticipated enrolment 4

2. If there is a proposed enrolment limit, state the limit and explain: none

3. Required for: Major: \_\_\_\_\_ Minor: \_\_\_\_\_ Other: \_\_\_\_\_

4. Elective in: Major: X Minor: \_\_\_\_\_ Other: \_\_\_\_\_

5. Course required by another major/minor: none

6. Course required or recommended by an accrediting agency: none

7. Toward what degrees will the course be accepted for credit? Any

8. What other courses are being proposed within the Program this year?

Six other courses are being proposed within the program this year. These courses are MATH 435, MATH 635, MATH 436, MATH 636, MATH 481, and MATH 799.

9. What courses are being deleted from the Program this year? None

### C. Relation to Other Program Areas

1. Identify courses in other UNBC Programs that overlap with this course; describe the overlap and comment on its significance: None

2. Is a preclusion required? No

3. If there is an overlap, and no preclusion is required, please explain why not: Not applicable

4. Has this overlap been discussed with the Program concerned? Not applicable

5. In offering this course, will UNBC require facilities or staff at other institutions?

No

If yes, please describe requirements:

6. Is this course replacing an existing course that is included in one or more transfer agreements with external institutions?

No

If “yes,” please contact the Articulation Officer in the Office of the Registrar.

### D. Resources required

1. Please describe ADDITIONAL resources required over the next five years to offer this course.

i. College Staffing: None

ii. Space (classroom, laboratory, storage, etc.): Normal classroom space

iii. Library Holdings: See attached form

iv. Computer (time, hardware, software): None

### E. Additional Attached Materials

### F. Other Considerations

1. First Nations Content\*: No

\* *Whether a new course has First Nations content is to be determined by the relevant College Council(s).*

\*\*If “yes,” refer the motion to the Senate Committee on First Nations and Aboriginal Peoples prior to SCAAF.

2. Other Information: none

3. Attachment Pages (in addition to required "Library Holdings" Form):   0   pages

**G. Authorization**

1. **SCCC Reviewed:** January 28, 2020
2. **College(s):** CSAM
3. **College Council Motion Number(s):** CSAMCC 2020: 03:12:06
4. **College Council Approval Date(s):** March 12, 2020
5. **Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable
6. **Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

<b>INFORMATION TO BE COMPLETED BY RECORDING SECRETARY AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING</b>	
Brief Summary of Committee Debate:	
Motion No.:	SCAAF
Moved by:	Seconded by:
Committee Decision:	
Approved by SCAAF: _____	_____
Date	Chair's Signature
For recommendation to <u>  X  </u> , or information of _____ Senate.	

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**NEW COURSE APPROVAL MOTION FORM**

**Motion:** That the new course in MATHEMATICS, MATH 740-(1-6) Advanced Topics in Mathematics, be approved as follows:

**A. Description of the Course**

1. **Proposed semester of first offering:** September 2020
2. **Academic Program:** Mathematics and Statistics
3. **Course Subject, Number\*, and Credit hours (e.g. CHEM 210-3):** MATH 740-(1-6)
4. **Course Title:** Advanced Topics in Mathematics
5. **Goal(s) of Course:** The primary objective of this course is to fill a gap in the 700-level course offerings within the Mathematics program. This course provides instructors with the opportunity to offer 700-level courses on advanced topics in Mathematics that are of current interest to students and faculty, and that do not align with existing approved courses. Courses that serve the same purpose already exist in other programs such as STAT 731, CHEM 790, PHYS 798 and CPSC 791.
6. **Calendar Course Description:** This course permits specialized instruction in the discipline of Mathematics. Topics are chosen depending upon student interest and faculty availability, and topic headings vary from year to year and from section to section. With permission of the Chair, this course may be taken any number of times provided all the topics are distinct.
7. **Credit Hours:** 1-6 credit hours (Normally, UNBC courses are 3 credit hours and may not be repeated for additional credit. If this course falls outside the norm, please complete sections "a)" and "b)" below).

**a) Can the course be repeated for credit if the subject matter differs substantially?**

Yes, this course may be repeated for credit any number of times provided the topics are distinct.

\* If "yes," please indicate the maximum number\*\* of credit hours which may be applied to a student's degree using this course: any number of times provided all the topics are distinct

\*\* If the course may be taken more than once but will only ever be offered for 3 credit hours, for example, per offering, the credit hours are simply expressed as "3" and the following notation (with the correct number of credit hours noted) is included within the Calendar Course Description:  
*"This course may be repeated to a maximum of XX credit hours if the material is substantially different."*

**b) Is variable credit available for this course? Yes X**



### C. Relation to Other Program Areas

1. Identify courses in other UNBC Programs that overlap with this course; describe the overlap and comment on its significance: None
2. Is a preclusion required? No  X
3. If there is an overlap, and no preclusion is required, please explain why not: Not applicable
4. Has this overlap been discussed with the Program concerned? Not applicable
5. In offering this course, will UNBC require facilities or staff at other institutions?  
No  X

If yes, please describe requirements:

6. Is this course replacing an existing course that is included in one or more transfer agreements with external institutions?

No  X

If **“yes,”** please contact the Articulation Officer in the Office of the Registrar.

### D. Resources required

1. Please describe ADDITIONAL resources required over the next five years to offer this course.
  - i. College Staffing: None
  - ii. Space (classroom, laboratory, storage, etc.): Normal classroom space
  - iii. Library Holdings: See attached form
  - iv. Computer (time, hardware, software): None

### E. Additional Attached Materials

### F. Other Considerations

1. First Nations Content\*: No  X   
*\* Whether a new course has First Nations content is to be determined by the relevant College Council(s).*

**\*\*If “yes,”** refer the motion to the Senate Committee on First Nations and Aboriginal Peoples prior to SCAAF.

2. Other Information: none
3. Attachment Pages (in addition to required “Library Holdings” Form):  0  pages

**G. Authorization**

1. **SCCC Reviewed:** January 28, 2020
2. **College(s):** CSAM
3. **College Council Motion Number(s):** CSAMCC 2020: 03:12:07
4. **College Council Approval Date(s):** March 12, 2020
5. **Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable
6. **Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

<b>INFORMATION TO BE COMPLETED BY RECORDING SECRETARY AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING</b>	
<b>Brief Summary of Committee Debate:</b>	
<b>Motion No.:</b>	SCAAF
<b>Moved by:</b>	<b>Seconded by:</b>
<b>Committee Decision:</b>	
<b>Approved by SCAAF:</b> _____	_____
<b>Date</b>	<b>Chair's Signature</b>
<b>For recommendation to <u>  X  </u>, or information of _____ Senate.</b>	



Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**NEW COURSE APPROVAL MOTION FORM**

**Motion:** That the new course in MATHEMATICS, MATH 436–3, Partial Differential Equations 1, be approved as follows:

**A. Description of the Course**

1. **Proposed semester of first offering:** September 2020
2. **Academic Program:** Mathematics and Statistics
3. **Course Subject, Number, and Credit hours:** MATH 436-3
4. **Course Title:** Partial Differential Equations 1

**5. Goal(s) of Course:**

This proposal is for a first course in deterministic studies of partial differential equations (PDE). The main focus is on linear PDE of first and second order arising from various disciplines. The course demonstrates how PDE can model various phenomena and introduces mathematical tools needed to study a large class of such equations. As a consequence, the course bridges between pure and applied mathematics and set grounds for interdisciplinary studies, where mathematical analysis plays an important role. At UNBC, the course is of interest to students specializing in math (pure and applied), physics and engineering. Discussions with the Physics and Engineering programs conveyed potential interest from students outside mathematics.

**6. Calendar Course Description:** This is an introductory course on partial differential equations (PDE). The main focus is on PDE models of first and second order equations arising from various disciplines. The course introduces analytic techniques related to three classical types of PDE: elliptic, parabolic and hyperbolic. Topics include: method of characteristics; Sobolev spaces; distributional derivatives; variational methods; maximum principle; **Harnack inequalities**; and qualitative properties of solutions to certain models.

**7. Credit Hours:**   3   credit hours (Normally, UNBC courses are 3 credit hours and may not be repeated for additional credit. If this course falls outside the norm, please complete sections "a)" and "b)" below)

**a) Can the course be repeated for credit if the subject matter differs substantially?**

  No        X  

**b) Is variable credit available for this course?** No   X

**8. Contact Hours (per week):**

Lecture   3   Seminar   0    
Laboratory   0   Other none

**9. Prerequisites (taken prior):** MATH 336, or MATH 302 & MATH 230, or Instructor's Permission

**10. Prerequisites with concurrency (taken prior or simultaneously):** none

**11. Co-requisites (must be taken simultaneously):** none

**12. Preclusions:** ~~MATH 436-3~~

**13. Course Equivalences:** none

**14. Grade Mode:** NORMAL (i.e., alpha grade)

**15. Course to be offered:**

each semester \_\_\_\_\_  
each year   x    
alternating years \_\_\_\_\_

**16. Proposed text / readings:**

- Peter Olver, Introduction to Partial Differential Equations, Springer.
- Evans, Partial Differential Equations: Second Edition, American Mathematical Society.
- Walter A. Strauss, Partial Differential Equations: An Introduction.

**B. Significance Within Academic Program**

**1. Anticipated enrolment**   10  

**2. If there is a proposed enrolment limit, state the limit and explain:**   none  

**3. Required for:** Major: none Minor: none Other: none

**4. Elective in:** Major:   x   Minor:   x   Other: could serve as an elective for Engineering and Physics students. Discussions with the Engineering and Physics showed their support of this proposal.

**5. Course required by another major/minor:** none

**6. Course required or recommended by an accrediting agency:** Not applicable

**7. Toward what degrees will the course be accepted for credit?** Any degree

**8. What other courses are being proposed within the Program this year?**

MATH 481/681, MATH 740-(1-6),  
MATH 791-6, MATH 791-6, STAT 790-6, STAT 791-6

9. What courses are being deleted from the Program this year? none

**C. Relation to Other Program Areas**

1. Identify courses in other UNBC Programs that overlap with this course; describe the overlap and comment on its significance:

2. Is a preclusion required? No  X

3. If there is an overlap, and no preclusion is required, please explain why not:  
Most of the topics in this course are new to existing MATH-STAT courses at UNBC.  
Insignificant overlap.

4. Has this overlap been discussed with the Program concerned? Yes

5. In offering this course, will UNBC require facilities or staff at other institutions?  
No  X

If yes, please describe requirements: Not applicable

6. Is this course replacing an existing course that is included in one or more transfer agreements with external institutions?

No  X

If "yes," please contact the Articulation Officer in the Office of the Registrar.

**D. Resources required**

1. Please describe ADDITIONAL resources required over the next five years to offer this course.

i. College Staffing: none

ii. Space (classroom, laboratory, storage, etc.): classroom, video projector (occasional use)

iii: Library Holdings: See attached form

iv. Computer (time, hardware, software): none

**E. Additional Attached Materials** none

**F. Other Considerations**

1. **First Nations Content\***: No   X  

*\* Whether a new course has First Nations content is to be determined by the relevant College Council(s).*

**\*\*If "yes,"** refer the motion to the Senate Committee on First Nations and Aboriginal Peoples **prior to** SCAAF.

2. **Other Information:**

3. **Attachment Pages (in addition to required "Library Holdings" Form):**   0   pages

**G. Authorization**

1. **SCCC Reviewed:** January 28, 2020

2. **College(s):** CSAM

3. **College Council Motion Number(s):** CSAMCC 2020: 03:12:08

4. **College Council Approval Date(s):** March 12, 2020

5. **Senate Committee on First Nations and Aboriginal Peoples Motion Number:** n/a

6. **Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** n/a

**INFORMATION TO BE COMPLETED BY RECORDING SECRETARY AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
Date

\_\_\_\_\_  
Chair's Signature

**For recommendation to   X  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**NEW COURSE APPROVAL MOTION FORM**

**Motion:** That the new course in MATHEMATICS, MATH 636–3, Partial Differential Equations 1, be approved as follows:

**A. Description of the Course**

1. **Proposed semester of first offering:** September 2020
2. **Academic Program:** Mathematics and Statistics (MSc Program)
3. **Course Subject, Number, and Credit hours:** MATH 636-3
4. **Course Title:** Partial Differential Equations 1

**5. Goal(s) of Course:**

This proposal is for a first course in deterministic studies of partial differential equations (PDE). The main focus is on linear PDE of first and second order arising from various disciplines. The course demonstrates how PDE can model various phenomena and introduces mathematical tools needed to study a large class of such equations. As a consequence, the course bridges between pure and applied mathematics and set grounds for interdisciplinary studies, where mathematical analysis plays an important role. At UNBC, the course is of interest to students specializing in math (pure and applied), physics and engineering. Discussions with the Physics and Engineering programs conveyed potential interest from students outside mathematics.

**6. Calendar Course Description:** This is an advanced course in deterministic studies of partial differential equations (PDE). The main focus is on linear PDE models of first and second order arising from various disciplines. The course introduces analytic techniques related to three classical types of PDE: elliptic, parabolic and hyperbolic. Topics include: method of characteristics; Sobolev spaces; distributional derivatives; variational methods; maximum principle; **Harnack inequalities**; and qualitative properties of solutions to certain models.

**7. Credit Hours:** 3 credit hours (Normally, UNBC courses are 3 credit hours and may not be repeated for additional credit. If this course falls outside the norm, please complete sections "a)" and "b)" below)

**a) Can the course be repeated for credit if the subject matter differs substantially?**

No      X

**b) Is variable credit available for this course?** No X

**8. Contact Hours (per week):**

Lecture   3   Seminar   0    
Laboratory   0   Other none

**9. Prerequisites (taken prior):** MATH 336, or MATH 302 & MATH 230, or Instructor's Permission

**10. Prerequisites with concurrency (taken prior or simultaneously):** none

**11. Co-requisites (must be taken simultaneously):** none

**12. Preclusions:** MATH 436-3

**13. Course Equivalencies:** none

**14. Grade Mode:** NORMAL (i.e., alpha grade)

**15. Course to be offered:**

each semester       

each year   x  

alternating years       

**16. Proposed text / readings:**

- Peter Olver, Introduction to Partial Differential Equations, Springer.
- Evans, Partial Differential Equations: Second Edition, American Mathematical Society.
- Walter A. Strauss, Partial Differential Equations: An Introduction.

**B. Significance Within Academic Program**

**1. Anticipated enrolment**   10  

**2. If there is a proposed enrolment limit, state the limit and explain:**   none  

**3. Required for:** Major: none Minor: none Other: none

**4. Elective in:** Major: x Minor: x Other: could serve as an elective for Engineering and Physics students. Discussions with the Engineering and Physics showed their support of this proposal.

**5. Course required by another major/minor:** none

**6. Course required or recommended by an accrediting agency:** Not applicable

**7. Toward what degrees will the course be accepted for credit?** Any degree

**8. What other courses are being proposed within the Program this year?**

MATH 481/681, MATH 740-(1-6),  
MATH 791-6, MATH 791-6, STAT 790-6, STAT 791-6

9. What courses are being deleted from the Program this year? none

**C. Relation to Other Program Areas**

1. Identify courses in other UNBC Programs that overlap with this course; describe the overlap and comment on its significance:

2. Is a preclusion required? No  X

3. If there is an overlap, and no preclusion is required, please explain why not:  
Most of the topics in this course are new to existing MATH-STATS courses at UNBC. Insignificant overlap.

4. Has this overlap been discussed with the Program concerned? Yes

5. In offering this course, will UNBC require facilities or staff at other institutions?  
No  X

If yes, please describe requirements: Not applicable

6. Is this course replacing an existing course that is included in one or more transfer agreements with external institutions?

No  X

If "yes," please contact the Articulation Officer in the Office of the Registrar.

**D. Resources required**

1. Please describe ADDITIONAL resources required over the next five years to offer this course.

i. College Staffing: none

ii. Space (classroom, laboratory, storage, etc.): classroom, video projector (occasional use)

iii: Library Holdings: See attached form

iv. Computer (time, hardware, software): none

**E. Additional Attached Materials** none

**F. Other Considerations**

1. First Nations Content\*: No  X

*\* Whether a new course has First Nations content is to be determined by the relevant College Council(s).*

**\*\*If "yes,"** refer the motion to the Senate Committee on First Nations and Aboriginal Peoples **prior to** SCAAF.

2. **Other Information:**

3. **Attachment Pages (in addition to required "Library Holdings" Form):**   0   pages

**G. Authorization**

1. **SCCC Reviewed:** January 28, 2020
2. **College(s):** CSAM
3. **College Council Motion Number(s):** CSAMCC 2020: 03:12:09
4. **College Council Approval Date(s):** March 12, 2020
5. **Senate Committee on First Nations and Aboriginal Peoples Motion Number:** n/a
6. **Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** n/a

**INFORMATION TO BE COMPLETED BY RECORDING SECRETARY AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
Date

\_\_\_\_\_  
Chair's Signature

**For recommendation to   X  , or information of \_\_\_\_\_ Senate.**



## *Summary of Environmental Science Program and Course Revisions*

The Environmental Science Program underwent an external review in 2017. These curriculum revisions partially are a result of feedback from that review, as well as information gathered through surveys and focus groups with current and past students. Many of the revisions are housekeeping and correcting errors or omissions. Some of the more notable changes, to the Environmental Science Major are:

- Changing choice of 2<sup>nd</sup> year Chemistry, to a requirement for CHEM 210-3 *Analytical Chemistry I*. This was based on advice and feedback from students, as well as Chemistry colleagues, recognizing the value of Analytical Chemistry for environmental scientists.
- Changing GEOG 205-3 *Cartography and Geomatics* to GEOG 204-3 *Introduction to Geographic Information Systems*. On the advice of instructors in these areas, the analysis component in GIS is judged to be more beneficial for environmental scientists. [Note that revisions to GEOG 204-3 are proceeding at the same time as these revisions, our revisions assume that the changes to GEOG 204-3 will proceed as proposed by Geography.]
- Replacing the choice from a list of social/environmental courses to requiring NREM 306-3 *Society, Policy and Administration*. This was in response to feedback from alumni about a desire for more policy information in the program, as well as remarks by the external evaluation team and from student focus groups on the desire for more environmental social policy, especially at the 3<sup>rd</sup> year.
- Clarification on alternate forms of credit in meeting the ENSC 440-3 *Internship* requirement.
- Changing the definition of ENSC from “Environmental Science and Engineering” to “Environmental Science”

Other changes to majors, minors and courses are considered editorial, correction of errors, or responding to changes in courses as they are currently delivered.

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the program requirements for the BSc Environmental Science on pages 114-115 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

The Environmental Science Program underwent an external review in 2017. These curriculum revisions partially are a result of feedback from that review, as well as information gathered through surveys and focus groups with current and past students. Many of the revisions are updating, housekeeping and correcting errors or omissions.

3. **Implications of the changes for other programs, etc., if applicable:**

Consultation on revisions with Geography, Ecosystem Science and Management, and Chemistry Programs has occurred regarding impacts on their respective programs - specifically, more students in CHEM 210-3, a shift of students from GEOG 205-3 to GEOG 204-3, and more students in NREM 306-3. In addition, there may be a few less students in other CHEM 200-level courses. Since students no longer choose one of a list (ENVS 225-3, FNST 304-3, GEOG 307-3, GEOG 401-3, INTS 307-3 or 3 credit hours of upper division ENVS courses), there may be a few students less in these courses.

4. **Reproduction of current Calendar entry for the item to be revised:**

## *Environmental Science (BSc Program)*

Andrea Gorrell, Acting Chair  
Stephen Déry, Professor  
Peter Jackson, Professor  
Jianbing Li, Professor  
Philip Owens, Professor and Endowed Research Chair in Landscape Ecology  
Michael Rutherford, Professor  
Jueyi Sui, Professor  
Youmin Tang, Professor  
Ron Thring, Professor  
Steve Helle, Associate Professor  
Todd Whitcombe, Associate Professor  
Nikolaus Gantner, Adjunct Professor  
Tricia Stadnyk, Adjunct Professor  
You Qin Wang, Senior Lab Instructor

Website: [www.unbc.ca/environmental-science](http://www.unbc.ca/environmental-science)

# Major in Environmental Science

The Environmental Science Bachelor of Science degree is an interdisciplinary one in which students take a core curriculum along with an area of specialization. The core curriculum is designed to provide students with knowledge of the fundamental biological, chemical, physical and applied aspects integral to the field of environmental science. In addition, students receive exposure to many of the human dimensions that underlie environmental issues. This approach will ensure a uniform preparation among students and allow for the development of a diversity of expertise necessary to address the complexity of present environmental problems and future unanticipated ones.

The degree has been designed in part to address educational components of the National Occupational Standards (NOS) for Environmental Employment set out by Environmental Careers Organization (ECO Canada). The NOS forms the basis of the Canadian Certified Environmental Practitioner (CCEP) accreditation process of the Canadian Environmental Certification Approvals Board (CECAB).

Undergraduate students are required to take a total of 93 credit hours of program core requirements in addition to an Area of Specialization as indicated below. The Area of Specialization allow students to develop expertise within an area of their interest. The major requires elective credit hours as necessary to ensure completion of a minimum of 126 credit hours including any additional credit hours necessary to meet the Academic Breadth requirement of the University (see Undergraduate Academic Regulation 15). Students needing to improve their communication skills should take ENGL 170-3 Writing and Communication Skills or NRES 100-3 Communication in NRES as an elective. Note that ENGL 170-3 also fulfills the Academic Breadth requirement for Arts and Humanities. Other areas of Academic Breadth are covered in the major.

## Program Core Requirements

### Lower-Division Requirement

BIOL 103-3	Introductory Biology I
BIOL 104-3	Introductory Biology II
BIOL 123-1	Introductory Biology I Laboratory
BIOL 124-1	Introductory Biology II Laboratory
CHEM 100-3	General Chemistry I
CHEM 101-3	General Chemistry II
CHEM 120-1	General Chemistry Lab I
CHEM 121-1	General Chemistry Lab II
ENSC 111-1	Introduction to Environmental Science
MATH 100-3	Calculus I
MATH 101-3	Calculus II
PHYS 100-4	Introduction to Physics I
	and PHYS 101-4 Introduction to Physics II
or	
PHYS 110-4	Introductory Physics I: Mechanics
	and PHYS 111-4 Introductory Physics II: Waves and Electricity

(PHYS 110-4 and PHYS 111-4 are strongly recommended)

BIOL 201-3	Ecology
BIOL 203-3	Microbiology
ENSC 201-3	Weather and Climate
ENSC 202-3	Introduction to Aquatic Systems
ENSC 250-2	Introduction to Environmental Data Analysis
FSTY 205-3	Introduction to Soil Science
GEOG 205-3	Cartography and Geomatics
GEOG 210-3	Introduction to Earth Science
STAT 240-3	Basic Statistics
	or STAT 371-3 Probability and Statistics for Scientists and Engineers

3 credit hours of any 200-level CHEM

Students who are interested in pursuing professional designations should contact the program advisor regarding the correct course sequences required for individual programs as well as the appropriate choice of electives.

## Upper-Division Requirements

ENPL 305-3 Environmental Impact Assessment  
ENPL 401-3 Environmental Law  
ENSC 308-3 Northern Contaminated Environments  
ENSC 406-3 Environmental Modelling  
ENSC 418-3 Environmental Measurement and Analysis  
ENSC 440-3 Internship\*  
or ENSC 499-3 Independent Study  
ENSC 450-3 Environmental and Geophysical Data Analysis  
ENVS 414-3 Environmental and Professional Ethics

One of the following:

ENVS 225-3 Global Environmental Change: Sustainability  
FNST 304-3 Indigenous Environmental Philosophy  
GEOG 307-3 Changing Arctic: Human and Environmental Systems  
GEOG 401-3 Tenure, Conflict and Resource Geography  
INTS 307-3 Global Resources  
or 3 credit hours of any upper-division ENVS course

Two of the following:

ENGR 451-3 Groundwater Hydrology  
ENSC 404-3 Waste Management  
ENSC 412-3 Air Pollution  
ENSC 452-3 Reclamation and Remediation of Disturbed Environments

\*Students with extensive experience related to the environment may be waived from this degree requirement with approval from the Program.

## Area of Specialization Requirement for BSc (Major) in Environmental Science

Environmental Science majors are required to complete an Area of Specialization satisfying the requirements of any available minor at UNBC as part of their degree. A minor allows students to specialize in a subject area relevant to the advancement, utilization and dissemination of environmental knowledge. Some minors may result in students taking more than the required 126 credit hours in order to obtain the Environmental Science Major. Many minors allow 100-level prerequisite courses and an additional 6 credit hours of other courses to be used for meeting the requirements of both the major and minor. Consult the current Undergraduate Calendar for the requirements of minors available at UNBC.

### 5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:

## *Environmental Science (BSc Program)*

Andrea Gorrell, Acting Chair

Stephen Déry, Professor and NSERC/Rio Tinto Industrial Research Chair in Climate Change and Water Security

Peter Jackson, Professor

Jianbing Li, Professor

Philip Owens, Professor and Endowed Research Chair in Landscape Ecology

Michael Rutherford, Professor

Jueyi Sui, Professor

Youmin Tang, Professor

Ron Thring, Professor

Steve Helle, Associate Professor

Todd Whitcombe, Associate Professor

Nikolaus Gantner, Adjunct Professor

Corinne Schiller, Adjunct Professor

Tricia Stadnyk, Adjunct Professor  
Ronald Stewart, Adjunct Professor  
Siraj ul Islam, Adjunct Professor  
You Qin Wang, Senior Lab Instructor Adjunct Professor  
Natalie Linklater, Senior Lab Instructor

Website: [www.unbc.ca/environmental-science](http://www.unbc.ca/environmental-science)

## Major in Environmental Science

The Environmental Science Bachelor of Science degree is an interdisciplinary ~~degree one~~ in which students take a core curriculum along with ~~an a minor, area of specialization~~. The core curriculum is designed to provide students with knowledge of the fundamental biological, chemical, physical and applied aspects integral to the field of environmental science. In addition, students ~~receive exposure~~ are exposed to many of the human dimensions that underlie environmental issues. This approach ~~will ensure~~ a uniform preparation among students and allows for the development of a diversity of expertise necessary to address the complexity of present environmental problems and future unanticipated ones.

The degree has been designed in part to address educational components of the National Occupational Standards (NOS) for Environmental Employment set out by Environmental Careers Organization (ECO Canada). The NOS forms the basis of the Canadian Certified Environmental Practitioner (CCEP) accreditation process of the Canadian Environmental Certification Approvals Board (CECAB). In addition, it may be possible to use some courses toward professional designations (i.e. P.Ag., P.Geo.). Students interested in this option are responsible for making themselves aware of the required courses for the professional designations and for planning to take the courses at the appropriate points in their program.

Undergraduate students are required to take a total of 93 credit hours of program core requirements in addition to ~~a minor an Area of Specialization~~ as indicated below. Students take foundational science courses in year 1 (e.g. biology, chemistry, physics and calculus) as well as an introduction to environmental science course that introduces students to environmental systems and provides information on courses and options available in years 2 to 4 of the Environmental Science major. The ~~Area of Specialization~~ minor requirement allows students to develop expertise within an area of their interest. There is also an option to take a BSc Honours in Environmental Science program, which is described below. The major requires elective credit hours as necessary to ensure completion of a minimum of 126 credit hours including any additional credit hours necessary to meet the Academic Breadth requirement of the University (see Undergraduate Academic Regulation 15). Students needing to improve their communication skills should take ENGL 170-3 Writing and Communication Skills or NRES 100-3 Communication in NRES as an elective. Note that ENGL 170-3 also fulfills the Academic Breadth requirement for Arts and Humanities. Other areas of Academic Breadth are covered in the major.

## Program Core Requirements

### Lower-Division Requirements

BIOL 103-3	Introductory Biology I
BIOL 104-3	Introductory Biology II
BIOL 123-1	Introductory Biology I Laboratory
BIOL 124-1	Introductory Biology II Laboratory
<del>BIOL 201-3</del>	<del>Ecology</del>
<del>BIOL 203-3</del>	<del>Microbiology</del>
CHEM 100-3	General Chemistry I
CHEM 101-3	General Chemistry II
CHEM 120-1	General Chemistry Lab I
CHEM 121-1	General Chemistry Lab II
<del>CHEM 210-3</del>	<del>Analytical Chemistry I</del>
ENSC 111-1	Introduction to Environmental Science
<del>ENSC 201-3</del>	<del>Weather and Climate</del>
<del>ENSC 202-3</del>	<del>Introduction to Aquatic Systems</del>
ENSC 250-2	Introduction to Environmental Data Analysis
<del>FSTY 205-3</del>	<del>Introduction to Soil Science</del>

GEOG 204-3 Introduction to GIS  
GEOG 210-3 Introduction to Earth Science  
 MATH 100-3 Calculus I  
 MATH 101-3 Calculus II  
 PHYS 100-4 Introduction to Physics I  
 and PHYS 101-4 Introduction to Physics II  
 or  
 PHYS 110-4 Introductory Physics I: Mechanics  
 and PHYS 111-4 Introductory Physics II: Waves and Electricity  
 (PHYS 110-4 and PHYS 111-4 are strongly recommended)  
BIOL 201-3 Ecology  
BIOL 203-3 Microbiology  
ENSC 201-3 Weather and Climate  
ENSC 202-3 Introduction to Aquatic Systems  
ENSC 250-2 Introduction to Environmental Data Analysis  
FSTY 205-3 Introduction to Soil Science  
GEOG 205-3 Cartography and Geomatics  
GEOG 210-3 Introduction to Earth Science  
STAT 240-3 Basic Statistics  
 or STAT 371-3 Probability and Statistics for Scientists and Engineers  
3 credit hours of any 200 level CHEM

Students who are interested in pursuing professional designations should contact the program advisor regarding the correct course sequences required for individual programs as well as the appropriate choice of electives.

### Upper-Division Requirements

ENPL 305-3 Environmental Impact Assessment  
 ENPL 401-3 Environmental Law  
 ENSC 308-3 Northern Contaminated Environments  
 ENSC 406-3 Environmental Modelling  
 ENSC 418-3 Environmental Measurement and Analysis  
 ENSC 440-3 Internship\*  
 or ENSC 499-3 Independent Study  
or an approved 3-credit field course  
 ENSC 450-3 Environmental and Geophysical Data Analysis  
 ENV5 414-3 Environmental and Professional Ethics  
NREM 306-3 Society, Policy and Administration  
 One of the following:  
ENV5 225-3 Global Environmental Change: Sustainability  
FNST 304-3 Indigenous Environmental Philosophy  
GEOG 307-3 Changing Arctic: Human and Environmental Systems  
GEOG 401-3 Tenure, Conflict and Resource Geography  
INTS 307-3 Global Resources  
or 3 credit hours of any upper-division ENV5 course

Two of the following:

ENGR 451-3 Groundwater Hydrology  
 ENSC 404-3 Waste Management  
 ENSC 412-3 Air Pollution  
 ENSC 452-3 Reclamation and Remediation of Disturbed Environments

\*Students with extensive experience related to the environment or who have completed a co-op work term may be waived from this degree requirement with approval from the Program Chair. Co-op students may receive credit for ENSC 440-3 at the same time as they are completing a co-op work term with the following conditions: students must register in ENSC 440-3 before the co-op work term starts, and meet both the co-op and the ENSC 440-3 requirements.

### Area of Specialization Requirement for BSc (Major) in Environmental Science

## Minor Requirement Associated with the Environmental Science Degree

Environmental Science majors students are required to complete an Area of Specialization satisfying the requirements of any available minor at UNBC as part of their degree. A minor allows students to specialize in a subject area relevant to the advancement, utilization and dissemination of environmental knowledge. Some minors may result in students taking more than the required 126 credit hours in order to obtain the Environmental Science Major. Many minors allow 100-level prerequisite courses and an additional 6 credit hours of other courses to be used for meeting to meet the requirements of both the major and minor. Consult the current Undergraduate Calendar for the requirements of minors available at UNBC.

### 6. Authorization:

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:10

**College Council Approval Date:** March 12,2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

### 7. Other Information

**Attachment Pages:**   0   pages

#### INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING

##### Brief Summary of Committee Debate:

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

Date

Chair's Signature

For recommendation to   ✓  , or information of            Senate.

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the program requirements for the Minor in Aquatic Science on page 115 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

The revisions are part of the larger package of revisions in Environmental Science, and are mainly 'housekeeping' in nature. We remove NREM 410-3 in the "GEOG 310-3 or NREM 410-3" option as NREM 410-3 does not have a lab component and therefore is not considered equivalent to GEOG 310-3.

3. **Implications of the changes for other programs, etc., if applicable:**

No significant implications -- there may be a few less students taking NREM 410-3 and a few more students taking GEOG 310-3. Consultation with programs in Geography as well as Ecosystem Science and Management, has occurred.

4. **Reproduction of current Calendar entry for the item to be revised**

## Minor in Aquatic Science

The minor in Aquatic Science provides students with an opportunity to focus on aquatic processes associated with different water environments, such as rivers, lakes and groundwaters. Emphasis is given to physical, chemical and biological processes that govern the movement, fate and management of water on timescales of seconds to decades.

Students are required to take 35 credit hours. Of these, 14 credit hours are foundational courses in Chemistry, Mathematics, and Physics; 12 credit hours are required aquatic science courses; and 9 credit hours are selected from a list of suggested elective courses. In addition to the 14 credit hours of foundational courses at the 100 level, an additional 6 credit hours of upper-division courses can also be used to meet the requirements of a major or another minor.

### Curriculum

#### Required Courses

CHEM 100-3	General Chemistry I
CHEM 120-1	General Chemistry Lab I
MATH 100-3	Calculus I
MATH 101-3	Calculus II
PHYS 100-4	Introduction to Physics I
	or PHYS 110-4 Introductory Physics I: Mechanics (PHYS 110-4 is strongly recommended.)
ENSC 202-3	Introduction to Aquatic Systems
BIOL 302-3	Limnology
GEOG 310-3	Hydrology
	or NREM 410-3 Watershed Management
ENGR 451-3	Groundwater Hydrology



## Elective Courses

Nine credit hours from the following list:

BIOL 402-3	Aquatic Plants
BIOL 406-3	Fish Ecology
ENGR 350-3	Fluid Mechanics
ENSC 450-3	Environmental and Geophysical Data Analysis
ENSC 454-3	Snow and Ice
GEOG 311-3	Drainage Basin Geomorphology
GEOG 405-3	Fluvial Geomorphology

\*Students must ensure that all prerequisites are fulfilled prior to registering in any course.

## 5. Proposed revision with changes underlined and deletions indicated clearly using “~~striketrough~~”: Minor in Aquatic Science

The minor in Aquatic Science provides students with an opportunity to focus on aquatic processes associated with different water environments, such as rivers, lakes and groundwaters. Emphasis is given to physical, chemical and biological processes that govern the movement, fate and management of water on timescales of seconds to decades. Attention is also given to the role of water (and associated chemicals, nutrients and sediments) within ecosystems and society.

Students are required to take 35 credit hours. Of these, 14 credit hours are foundational courses in Chemistry, Mathematics, and Physics; 12 credit hours are required aquatic science courses; and 9 credit hours are selected from a list of suggested elective courses. In addition to the 14, Students may use 17 credit hours of lower-division courses foundational courses at the 100 level, and additional 6 credit hours of upper-division courses can also be used to meet the requirements of a major or another minor. NOTE: Some upper-division courses may be taught in alternate years; students should consider this when planning their course sequences.

## Curriculum

### Required Courses

#### Lower Division Requirements

CHEM 100-3	General Chemistry I
CHEM 120-1	General Chemistry Lab I
<del>ENSC 202-3</del>	<del>Introduction to Aquatic Systems</del>
MATH 100-3	Calculus I
MATH 101-3	Calculus II
PHYS 100-4	Introduction to Physics I
	or PHYS 110-4 Introductory Physics I: Mechanics (PHYS 110-4 is strongly recommended.)
<del>ENSC 202-3</del>	<del>Introduction to Aquatic Systems</del>

#### Upper Division Requirements

BIOL 302-3	Limnology
GEOG 310-3	Hydrology
	or NREM 410-3 Watershed Management
ENGR 451-3	Groundwater Hydrology

### Elective Courses

Nine credit hours from the following list:

BIOL 402-3	Aquatic Plants
BIOL 406-3	Fish Ecology
ENGR 350-3	Fluid Mechanics
ENSC 450-3	Environmental and Geophysical Data Analysis
ENSC 454-3	Snow and Ice
GEOG 311-3	Drainage Basin Geomorphology

\*Students must ensure that all prerequisites are fulfilled prior to registering in any course.

**6. Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CAMCC 2020: 03:12:11

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
Date

\_\_\_\_\_  
Chair's Signature

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the program requirements for the Minor in Atmospheric Science on page 116 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

The revisions are part of the larger package of revisions in Environmental Science, and are mainly 'housekeeping' in nature. We remove NREM 410-3 in the "GEOG 310-3 or NREM 410-3" option as NREM 410-3 does not have a lab component and therefore is not considered equivalent to GEOG 310-3.

3. **Implications of the changes for other programs, etc., if applicable:**

No significant implications -- there may be a few less students taking NREM 410-3 and a few more students taking GEOG 310-3. Consultation with programs in Geography as well as Ecosystem Science and Management, has occurred.

4. **Reproduction of current Calendar entry for the item to be revised**

## Minor in Atmospheric Science

Atmospheric Science, or meteorology, is the study of Earth's atmosphere, weather and climate. The minor in Atmospheric Science provides students with an opportunity to focus on atmospheric processes that occur near Earth's surface. Emphasis is given to physical and chemical processes that govern the development of weather systems on timescales of days and that regulate Earth's climate on timescales of decades.

Students are required to take 32 credit hours. Of these, 14 credit hours are foundational courses in Chemistry, Mathematics, and Physics; 12 credit hours are required atmospheric science courses; and 6 credit hours are selected from a list of suggested elective courses. In addition to the 17 credit hours of foundational courses at the 100 level, an additional 6 credit hours of upper-division courses can also be used to meet the requirements of a major or another minor. NOTE: Some upper-division courses may be taught in alternate years; students should consider this when planning their course schedules.

### Required Courses

CHEM 100-3	General Chemistry I
CHEM 120-1	General Chemistry Lab I
ENSC 201-3	Weather and Climate
ENSC 312-3	Biometeorology
ENSC 408-3	Storms
ENSC 425-3	Climate Change and Global Warming
MATH 100-3	Calculus I
MATH 101-3	Calculus II
PHYS 100-4	Introduction to Physics I
	or PHYS 110-4 Introductory Physics I: Mechanics (PHYS 110-4 is strongly recommended.)

## Elective Courses\*

Six credit hours from the following list:

ENSC 412-3 Air Pollution  
ENSC 450-3 Environmental and Geophysical Data Analysis  
ENSC 454-3 Snow and Ice  
GEOG 310-3 Hydrology  
or NREM 410-3 Watershed Management

\*Students must ensure that all prerequisites are fulfilled prior to registering in any course.

## 5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:

## Minor in Atmospheric Science

Atmospheric Science, or meteorology, is the study of the Earth’s atmosphere, weather and climate. The minor in Atmospheric Science provides students with an opportunity to focus on atmospheric processes that occur near the Earth’s surface. Emphasis is given to physical and chemical processes that govern the development of weather systems on timescales of days and that regulate the Earth’s climate on timescales of decades.

Students are required to take 32 credit hours. Of these, 14 credit hours are foundational courses in Chemistry, Mathematics, and Physics; 12 credit hours are required atmospheric science courses; and 6 credit hours are selected from a list of suggested elective courses. ~~In addition to the 14~~ Students may use 17 credit hours of lower-division courses ~~foundational courses at the 100 level, and additional 6 credit hours of upper-division courses can also be used~~ to meet the requirements of a major or another minor. NOTE: Some upper-division courses may be taught in alternate years; students should consider this when planning their course ~~schedules~~ sequences.

### Required Courses

#### Lower Division Requirements

CHEM 100-3 General Chemistry I  
CHEM 120-1 General Chemistry Lab I  
ENSC 201-3 Weather and Climate  
MATH 100-3 Calculus I  
MATH 101-3 Calculus II  
PHYS 100-4 Introduction to Physics I  
or PHYS 110-4 Introductory Physics I: Mechanics  
(~~PHYS 110-4 is strongly recommended.~~)

#### Upper Division Requirements

ENSC 312-3 Biometeorology  
ENSC 408-3 Storms  
ENSC 425-3 Climate Change and Global Warming

## Elective Courses\*

Six credit hours from the following list:

ENSC 412-3 Air Pollution  
ENSC 450-3 Environmental and Geophysical Data Analysis  
ENSC 454-3 Snow and Ice  
GEOG 310-3 Hydrology  
or ~~NREM 410-3 Watershed Management~~

\*Students must ensure that all prerequisites are fulfilled prior to registering in any course.

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:12

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the program requirements for the Minor in Earth Sciences on page 116 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

The revisions are part of the larger package of revisions in Environmental Science, and are mainly 'housekeeping' in nature. We remove NREM 410-3 in the "GEOG 310-3 or NREM 410-3" option as NREM 410-3 does not have a lab component and therefore is not considered equivalent to GEOG 310-3. We removed GEOG 312-3 and GEOG 414-3 that are no longer offered, and replace them with GEOG 320-3 and GEOG 416-3, and we add a recent course ENSC 307-3 as an option.

3. **Implications of the changes for other programs, etc., if applicable:**

No significant implications -- there may be a few less students taking NREM 410-3 and a few more students taking GEOG 310-3. Consultation with programs in Geography as well as Ecosystem Science and Management, has occurred.

4. **Reproduction of current Calendar entry for the item to be revised**

## Minor in Earth Sciences

The Earth Sciences minor provides depth in areas of earth science that support natural resource management. Students are required to complete 18 credit hours (12 of which must be at the 300- or 400-level) chosen from the following lists, with at least one course from each of the first three groups. A maximum of two courses (6 credit hours) used to fulfill the requirements for a major, or another minor, may also be used to fulfill requirements for this minor. Students must ensure that all prerequisites are fulfilled prior to registering in any course.

### Hydrology

ENGR 451-3      Groundwater Hydrology  
ENSC 202-3      Introduction to Aquatic Systems  
ENSC 454-3      Snow and Ice  
GEOG 310-3      Hydrology  
                    or NREM 410-3 Watershed Management

### Geomorphology

GEOG 311-3      Drainage Basin Geomorphology  
GEOG 312-3      Geomorphology of Cold Regions  
GEOG 405-3      Fluvial Geomorphology  
GEOG 411-3      Quaternary and Surficial Geology  
GEOG 414-3      Weathering Processes

### Soil Science

FSTY 415-3      Forest Soil Management

FSTY 425-3 Soil Formation and Classification

#### Other

ENSC 425-3 Climate Change and Global Warming

GEOG 357-3 Introduction to Remote Sensing

GEOG 413-3 Advanced GIS

GEOG 457-3 Advanced Remote Sensing

### 5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:

## Minor in Earth Sciences

The Earth Sciences minor provides depth in areas of earth science that support natural resource management. Students are required to complete 18 credit hours (12 of which must be at the 300- or 400-level) chosen from the following lists, with at least one course from each of the first three groups. Students may use a maximum of two upper-division courses (6 credit hours) used to fulfill the requirements for a major, or another minor, ~~may also be used to fulfill requirements for this minor.~~ Students must ensure that all prerequisites are fulfilled prior to registering in any course. NOTE: Some upper-division courses may be taught in alternate years; students should consider this when planning their course sequences.

#### Hydrology

ENGR 451-3 Groundwater Hydrology

ENSC 202-3 Introduction to Aquatic Systems

ENSC 454-3 Snow and Ice

GEOG 310-3 Hydrology

~~or NREM 410-3 Watershed Management~~

#### Geomorphology

GEOG 311-3 Drainage Basin Geomorphology

~~GEOG 312-3 Geomorphology of Cold Regions~~

~~GEOG 320-3 Sedimentology~~

GEOG 405-3 Fluvial Geomorphology

GEOG 411-3 Quaternary and Surficial Geology

~~GEOG 414-3 Weathering Processes~~

~~GEOG 416-3 Mountains~~

#### Soil Science

FSTY 415-3 Forest Soil Management

FSTY 425-3 Soil Formation and Classification

#### Other

~~ENSC 307-3 Introduction to Geochemistry~~

ENSC 425-3 Climate Change and Global Warming

GEOG 357-3 Introduction to Remote Sensing

GEOG 413-3 Advanced GIS

GEOG 457-3 Advanced Remote Sensing

### 6. Authorization:

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:13

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_

**Date**

\_\_\_\_\_

**Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**



Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the program requirements for the Minor in Soils and the Environment on page 117 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

The revisions are part of the larger package of revisions in Environmental Science, and are mainly 'housekeeping' in nature.

3. **Implications of the changes for other programs, etc., if applicable:** none

4. **Reproduction of current Calendar entry for the item to be revised**

## Minor in Soils and the Environment

Processes and their dynamics at the interface between the biosphere, atmosphere, hydrosphere and lithosphere are critical to the regulation of environmental quality from the micro-scale of millimeters to macro-scale climatic conditions. The minor in Soils and the Environment provides students with an opportunity to focus on the Earth's "Critical Zone," the thin outer layer which supports terrestrial life on the planet. The emphasis is on key biological, chemical and physical processes active in soils, and how they influence environmental conditions.

Students are required to take 34 credit hours. Of these, 16 credit hours are prerequisites to FSTY 205 and ENSC 435, 15 credit hours are required soils courses, and 3 credit hours are selected from a list of suggested elective courses. In addition to the 16 credit hours of prerequisite courses at the 100 level, an additional 6 credit hours can also be used to meet the requirements of a major or another minor.

### Required Courses

BIOL 103-3	Introductory Biology I
BIOL 123-1	Introductory Biology I Laboratory
BIOL 104-3	Introductory Biology II
BIOL 124-1	Introductory Biology II Laboratory
CHEM 100-3	General Chemistry I
CHEM 101-3	General Chemistry II
CHEM 120-1	General Chemistry Lab I
CHEM 121-1	General Chemistry Lab II
ENSC 307-3	Introduction to Geochemistry
ENSC 325-3	Soil Physical Processes and the Environment
FSTY 205-3	Introductory Soil Science
FSTY 425-3	Soil Formation and Classification
ENSC 435-3	Soil Biological Processes and the Environment

### Elective Courses\*

Three credit hours from the following list:

ENGR 451-3	Groundwater Hydrology
ENSC 404-3	Waste Management
ENSC 452-3	Reclamation and Remediation of Disturbed Environments
FSTY 415-3	Forest Soils

\* Students must ensure they have the appropriate prerequisites to take these courses.

## 5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:

### Minor in Soils and the Environment

Processes and their dynamics at the interface between the biosphere, atmosphere, hydrosphere and lithosphere are critical to the regulation of environmental quality from the micro-scale of millimeters to the macro-scale of climatic conditions. The minor in Soils and the Environment provides students with an opportunity to focus on the Earth’s “Critical Zone,” the thin outer layer which supports terrestrial life on the planet. The emphasis is on key biological, chemical and physical processes active in soils, and how they influence environmental conditions.

Students are required to take 34 credit hours. Of these, 16 credit hours are foundational courses in biology and chemistry, prerequisites to FSTY 205 and ENSC 435, 15 credit hours are required soils and geochemistry courses, and 3 credit hours are selected from a list of suggested elective courses. In addition to the Students may use 16 credit hours of prerequisite 100 level courses at the 100 level, an additional and 6 credit hours of other courses can also be used to meet the requirements of a major or another minor. NOTE: Some upper-division courses may be taught in alternate years; students should consider this when planning their course sequences.

#### Required Courses

BIOL 103-3	Introductory Biology I
<del>BIOL 123-1</del>	<del>Introductory Biology I Laboratory</del>
BIOL 104-3	Introductory Biology II
<del>BIOL 123-1</del>	<del>Introductory Biology I Laboratory</del>
BIOL 124-1	Introductory Biology II Laboratory
CHEM 100-3	General Chemistry I
CHEM 101-3	General Chemistry II
CHEM 120-1	General Chemistry Lab I
CHEM 121-1	General Chemistry Lab II
ENSC 307-3	Introduction to Geochemistry
ENSC 325-3	Soil Physical Processes and the Environment
<del>ENSC 435-3</del>	<del>Soil Biological Processes and the Environment</del>
FSTY 205-3	Introductory Soil Science
FSTY 425-3	Soil Formation and Classification
<del>ENSC 435-3</del>	<del>Soil Biological Processes and the Environment</del>

#### Elective Courses\*

Three credit hours from the following list:

ENGR 451-3	Groundwater Hydrology
ENSC 404-3	Waste Management
ENSC 452-3	Reclamation and Remediation of Disturbed Environments
FSTY 415-3	Forest Soils

\* Students must ensure that all prerequisites are fulfilled prior to registering in any course. ~~they have the appropriate prerequisites to take these courses.~~

**6. Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:15

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the program requirements for the Minor in Environmental Science on page 116-117 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

The revisions are part of the larger package of revisions in Environmental Science, and are mainly 'housekeeping' in nature.

3. **Implications of the changes for other programs, etc., if applicable:** none

4. **Reproduction of current Calendar entry for the item to be revised**

## Minor in Environmental Science

The minor in Environmental Science offers an introduction to four environmental systems: aquatic, atmospheric, ecological, and terrestrial, as well as pollution and management, with the ability to develop more depth in one or two areas. Students in this minor will gain an exposure to fundamental biological, chemical and physical aspects integral to the field of environmental science.

The minor in Environmental Science requires the completion, from the courses listed below, of 21 credit hours, 12 of which must be at the upper-division level. A maximum of two courses (6 credits hours) used to fulfill program requirements for a major or another minor may also be used to fulfill requirements for a minor in Environmental Science.

Students must select at least one course from each of the following categories (important: all courses listed for the minor have prerequisites; it is the student's responsibility to ensure that they have the required prerequisites).

### Aquatic Systems

BIOL 302-3	Limnology
BIOL 402-3	Aquatic Plants
BIOL 406-3	Fish Ecology
ENGR 350-3	Fluid Mechanics
ENGR 451-3	Groundwater Hydrology
ENSC 202-3	Introduction to Aquatic Systems
ENSC 454-3	Snow and Ice
GEOG 310-3	Hydrology

### Atmospheric Systems

ENSC 201-3	Weather and Climate
ENSC 312-3	Biometeorology
ENSC 408-3	Storms
ENSC 412-3	Air Pollution
ENSC 425-3	Climate Change and Global Warming
ENSC 454-3	Snow and Ice

## Ecological Systems

BIOL 201-3	Ecology
BIOL 202-3	Invertebrate Zoology
BIOL 203-3	Microbiology
BIOL 210-3	Genetics
BIOL 301-3	Systematic Botany
BIOL 401-3	Plant-Microbial Interactions
BIOL 404-3	Plant Ecology
BIOL 410-3	Population and Community Ecology
BIOL 411-3	Conservation Biology

## Terrestrial Systems

ENGR 451-3	Groundwater Hydrology
ENSC 325-3	Soil Physical Processes and the Environment
ENSC 435-3	Soil Biological Processes and the Environment
ENSC 452-3	Reclamation and Remediation of Disturbed Environments
FSTY 205-3	Introduction to Soil Science
GEOG 210-3	Introduction to Earth Science
GEOG 311-3	Drainage Basin Geomorphology
GEOG 405-3	Fluvial Geomorphology
GEOG 411-3	Quaternary and Surficial Geology

## Environmental Pollution and Management

ENGR 451-3	Groundwater Hydrology
ENSC 302-3	Low Carbon Energy Development
ENPL 305-3	Environmental Impact Assessment
ENSC 308-3	Northern Contaminated Environments
ENSC 404-3	Waste Management
ENSC 406-3	Environmental Modelling
ENSC 412-3	Air Pollution
ENSC 452-3	Reclamation and Remediation of Disturbed Environments
NREM 410-3	Watershed Management

## 5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:

### Minor in Environmental Science

The minor in Environmental Science is intended for students who are not majoring in Environmental Science and offers an introduction to pollution and management and the four environmental systems: aquatic, atmospheric, ecological, and terrestrial, as well as pollution and management. ~~Students are given the opportunity with the ability to develop more depth in one or two areas. Students in this minor will gain an exposure to fundamental biological, chemical and physical aspects integral to the field of environmental science.~~

The minor in Environmental Science requires the completion, ~~from the courses listed below,~~ of 21 credit hours from the courses listed below, 12 of which must be at the upper-division level. Students may use a maximum of two courses (6 credits hours) used to fulfill the program requirements for a major or another minor. ~~may also be used to fulfill requirements for a minor in Environmental Science.~~

Students must select at least one course from each of the following lists. ~~categories (important: a~~ All courses listed for the minor have prerequisites; students must ensure that all prerequisites are fulfilled prior to registering in any course. it is the student's responsibility to ensure that they have the required prerequisites). ~~NOTE: Some upper-division courses may be taught in alternate years; students should consider this when planning their course sequences.~~

### Aquatic Systems

BIOL 302-3	Limnology
BIOL 402-3	Aquatic Plants

BIOL 406-3	Fish Ecology
ENGR 350-3	Fluid Mechanics
ENGR 451-3	Groundwater Hydrology
ENSC 202-3	Introduction to Aquatic Systems
ENSC 454-3	Snow and Ice
GEOG 310-3	Hydrology

### Atmospheric Systems

ENSC 201-3	Weather and Climate
ENSC 312-3	Biometeorology
ENSC 408-3	Storms
ENSC 412-3	Air Pollution
ENSC 425-3	Climate Change and Global Warming
ENSC 454-3	Snow and Ice

### Ecological Systems

BIOL 201-3	Ecology
BIOL 202-3	Invertebrate Zoology
BIOL 203-3	Microbiology
BIOL 210-3	Genetics
BIOL 301-3	Systematic Botany
BIOL 401-3	Plant-Microbial Interactions
BIOL 404-3	Plant Ecology
BIOL 410-3	Population and Community Ecology
BIOL 411-3	Conservation Biology

### Terrestrial Systems

ENGR 451-3	Groundwater Hydrology
ENSC 325-3	Soil Physical Processes and the Environment
ENSC 435-3	Soil Biological Processes and the Environment
ENSC 452-3	Reclamation and Remediation of Disturbed Environments
FSTY 205-3	Introduction to Soil Science
GEOG 210-3	Introduction to Earth Science
GEOG 311-3	Drainage Basin Geomorphology
GEOG 405-3	Fluvial Geomorphology
GEOG 411-3	Quaternary and Surficial Geology

### Environmental Pollution and Management

ENGR 451-3	Groundwater Hydrology
<del>ENPL 305-3</del>	<del>Environmental Impact Assessment</del>
ENSC 302-3	Low Carbon Energy Development
<del>ENPL 305-3</del>	<del>Environmental Impact Assessment</del>
ENSC 308-3	Northern Contaminated Environments
ENSC 404-3	Waste Management
ENSC 406-3	Environmental Modelling
ENSC 412-3	Air Pollution
ENSC 452-3	Reclamation and Remediation of Disturbed Environments
NREM 410-3	Watershed Management

**6. Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:14

**College Council Approval Date:** March 12,2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**  0  pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to  ✓ , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the meaning of the “ENSC” course prefix change from “Environmental Science and Engineering” to “Environmental Science” on page 220 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

The revision is part of the larger package of revisions in Environmental Science, and is 'housekeeping' in nature. The prefix “ENSC” was created in the early 2000’s upon the separation of Environmental Science and Environmental Planning from the original Environmental Studies Program. At the same time the (then) new Joint UBC/UNBC Environmental Engineering Program was being created, initially within Environmental Science, and the ENSC prefix was designated as “Environmental Science and Engineering” to accommodate courses in both disciplines. In recent years the environmental engineering courses have all been renamed as either “ENGR” or “ENVE” leaving only environmental science courses using the ENSC prefix. Consequently, it no longer makes sense for “ENSC” to include the word “engineering” in its definition.

3. **Implications of the changes for other programs, etc., if applicable:** none

4. **Reproduction of current Calendar entry for the item to be revised:**

Environmental Science and Engineering (ENSC)

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~striethrough~~”:**

Environmental Science and ~~Engineering~~ (ENSC)

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:16

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable



**7. Other Information**

Attachment Pages:  0  pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to  ✓ , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the course description and prerequisites for ENSC 202-3 on page 221 of the 2019/20 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. The removal of unnecessary prerequisites for this course will make it more accessible.

3. **Implications of the changes for other programs, etc., if applicable:** none

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 202-3 Introduction to Aquatic Systems** Aquatic systems are central to all areas of life, as well as human endeavours. In addition to being the site of our earliest evolution, aquatic systems are now recognized as fundamental to the regulation of atmospheric gases and so our climate. This course provides a broad overview of the physical, chemical, geological, and biological aspects of freshwater and marine systems. Human perspectives focus on the conservation and exploitation of the resources found within and below lakes, rivers and oceans. Introduction to Aquatic Systems will provide a foundation for students wishing to pursue advanced courses in any area of aquatic study.

*Prerequisites:* BIOL 101-4, or BIOL 103-3 and BIOL 123-1; BIOL 102-4, or BIOL 104-3 and BIOL 124-1; CHEM 101-3

*Recommended:* PHYS 100-4 and MATH 100-3 or MATH 152-3 or permission of the instructor

*Precluded:* ENVS 202-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 202-3 Introduction to Aquatic Systems** Aquatic systems are central to all areas of life, and are essential for the health, well-being and functions of the human population. ~~as well as human endeavours.~~ In addition to being the site of our earliest evolution, aquatic systems are now recognized as fundamental to the regulation of atmospheric gases and ~~so our~~ therefore of our climate. This course provides a broad overview of the physical, chemical, geological, and biological aspects of freshwater and marine systems. Human perspectives focus on the conservation and exploitation of the resources found within and below lakes, rivers and oceans. Introduction to Aquatic Systems ~~will~~ provides a foundation for students wishing to pursue advanced courses in any area of aquatic study.

*Prerequisites:* BIOL 101-4, or BIOL 103-3 and BIOL 123-1; BIOL 102-4, or BIOL 104-3 and BIOL 124-1; CHEM 101-3

*Recommended:* PHYS 100-4 and MATH 100-3 or MATH 152-3 or permission of the instructor

*Precluded:* ENVS 202-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:17

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:** \_\_\_\_\_ **Seconded by:** \_\_\_\_\_

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
Date Chair's Signature

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the course description for ENSC 307-3 on page 221 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. The changes to course description are meant to more faithfully describe the content of the course.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

#### **ENSC 307-3 Introduction to Geochemistry**

This course introduces the fundamental principles of modern geochemistry and biogeochemistry, from the origin of elements to the functions of earth systems. Chemical reactions, the energetics and the physics that control the elemental distributions are explained in the essential reservoirs of earth: rock, water, soils and the atmosphere. Geochemical principles are applied to topics such as climate change, mineral prospecting and environmental geochemistry. The course is taught in alternate years.

*Prerequisites:* CHEM 100-3, CHEM 101-3, CHEM 120-1, and CHEM 121-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

#### **ENSC 307-3 Introduction to Geochemistry**

This course introduces the fundamental principles of ~~modern~~ low-temperature geochemistry and biogeochemistry, from the origin of elements to the functions of earth systems. Chemical reactions, ~~the~~ energetics and ~~the~~ physics are used to explain that control the elemental distributions within and redistribution among ~~are explained in the essential~~ reservoirs of ~~earth~~: rock, water, soils and the atmosphere over timescales from minutes to geologic eras. Geochemical and biogeochemical principles are applied to topics such as climate change; ~~mineral prospecting~~ air, soil and water quality; chronology of human impacts on earth; and availability of mineral elements to the biosphere ~~environmental~~ geochemistry. The course is taught in alternate years.

*Prerequisites:* CHEM 100-3, CHEM 101-3, CHEM 120-1, and CHEM 121-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:18

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the course description for ENSC 308-3 on page 221 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. The changes to course description are meant to more faithfully describe the content of the course.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 308-3 Northern Contaminated Environments**

This course provides students with a broad knowledge base and a sound understanding of various environmental problems in the north, with particular emphasis on practical skills to address such problems. Topics include physical settings of the north, Arctic ecology and environmental pollution, pollutant transport pathways in the Arctic, petroleum hydrocarbon pollution in marine and terrestrial environments, air pollution and climate change, industrial waste management, and environmental and human health risk assessment.

*Prerequisites:* 60 credit hours

*Precluded:* ENVS 308-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**ENSC 308-3 Northern Contaminated Environments**

This course ~~provides~~ offers students ~~with~~ a broad knowledge base and a sound understanding of various environmental problems in the north, with particular emphasis on the processes associated with these problems and the requirements to address them. ~~practical skills to address such problems~~. Topics include: physical settings of the north; Arctic ecology and concepts of environmental pollution; ~~pollutant sources and transport pathways in the north; Arctic, types of pollutants (such as metals, PM<sub>2.5</sub>, POPs and petroleum hydrocarbons) pollution in marine, freshwater and terrestrial environments;~~ air pollution and climate change, industrial waste management, and environmental and human health risk assessment.

*Prerequisites:* 60 credit hours

*Precluded:* ENVS 308-3

**6. Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:19

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the prerequisites for ENSC 312-3 on page 221 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. The changes to prerequisites are meant to more faithfully describe the needed prerequisites of the course. The statement "or permission of instructor" is not required of prerequisites.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 312-3 Biometeorology**

This course develops an understanding of the principles of weather and climate at micro-, local and meso-scales. It discusses the processes associated with transfers of heat, mass, and momentum and resulting climates near the surface. Other topics include fog, urban and forest climates, bioclimatology, local winds, as well as transport and dispersion of air pollution.

*Prerequisites:* ENSC 201-3 or ENVS 201-3 and 100-level MATH or PHYS, or permission of instructor

*Precluded:* ENVS 312-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 312-3 Biometeorology**

This course ~~develops an understanding of~~ focuses on the principles of weather and climate at micro-, local and meso-scales. It discusses the processes associated with transfers of heat, mass, and momentum, and the resulting climates near the surface. Other topics include fog, urban and forest climates, bioclimatology, local winds, as well as transport and dispersion of air pollution.

*Prerequisites:* ENSC 201-3 ~~or ENVS 201-3~~ and 100-level MATH or PHYS, ~~or permission of instructor~~

*Precluded:* ENVS 312-3

6. **Authorization:**



**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:20

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the prerequisites for ENSC 325-3 on page 221 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. The statement "or permission of instructor" is not required of prerequisites.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

#### **ENSC 325-3 Soil Physical Processes and the Environment**

This course focuses on physical principles and processes of soils that influence organisms and the environment, including retention and movement of water, heat transfer, soil strength, gas exchange, transport of solutes, and soil erosion. Examples from areas of land resource management, environmental quality, agriculture and forestry are used to illustrate principles.

*Prerequisites:* FSTY 205 or permission of the instructor

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

#### **ENSC 325-3 Soil Physical Processes and the Environment**

This course focuses on physical principles and processes of soils that influence organisms and the environment, including retention and movement of water, heat transfer, soil strength, gas exchange, transport of solutes, and soil erosion. Examples from areas of land resource management, environmental quality, agriculture and forestry are used to illustrate principles.

*Prerequisites:* FSTY 205 ~~or permission of the instructor~~

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:21

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:** \_\_\_\_\_ **Seconded by:** \_\_\_\_\_

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
Date Chair's Signature

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the prerequisites and preclusions for ENSC 404-3 on page 221 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. The addition of ENVE 222-3 (Engineering Biology) to prerequisites allows Environmental Engineering (stand-alone degree) students access to the course. The additional preclusion of ENSC 604-3 is a housekeeping item.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

#### **ENSC 404-3 Waste Management**

This course introduces environmental, technical and political aspects of non-hazardous and hazardous wastes. Topics include sources, evaluative methods, risk assessment, treatment, disposal, and current legal and management requirements.

*Prerequisites:* 3 credit hours 100-level CHEM, 3 credit hours 100-level BIOL, and 60 credit hours

*Precluded:* ENVS 404-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~striketrough~~”:**

#### **ENSC 404-3 Waste Management**

This course introduces environmental, technical and political aspects of non-hazardous and hazardous wastes. Topics include sources, evaluative methods, risk assessment, treatment, disposal, and current legal and management requirements.

*Prerequisites:* 3 credit hours 100-level CHEM, 3 credit hours 100-level BIOL or ENVE 222-3, and 60 credit hours

*Precluded:* ENVS 404-3, ENSC 604-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:22

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:** \_\_\_\_\_ **Seconded by:** \_\_\_\_\_

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Chair's Signature** \_\_\_\_\_

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the prerequisites and preclusions for ENSC 406-3 on pages 221-222 in the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. The statement "or permission of instructor" is not required of prerequisites. The additional preclusion of ENSC 607-3 is a housekeeping addition.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

#### **ENSC 406-3 Environmental Modelling**

This course provides an understanding of the physical, chemical and biological processes that govern contaminant transport and fate in environmental media. Topics include modelling fundamentals, mass transport in aquatic ecosystems, and mathematical modelling of a wide variety of contamination issues, such as lake eutrophication, river water quality, groundwater contamination, atmospheric deposition, and climate change. Laboratory exercises will complement lecture topics and focus on the development of computer-based modelling skills.

*Prerequisites:* 60 credit hours, MATH 152-3 or both of MATH 100-3 and MATH 101-3, or permission of the instructor

*Precluded:* ENVS 406-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

#### **ENSC 406-3 Environmental Modelling**

This course provides an understanding of the physical, chemical and biological processes that govern contaminant transport and fate in environmental media. Topics include: modelling fundamentals; mass transport in aquatic ecosystems; and mathematical modelling of a wide variety of contamination issues, such as lake eutrophication, river water quality, groundwater contamination, atmospheric deposition, and climate change. Laboratory exercises ~~will~~ complement lecture topics and focus on the development of computer-based modelling skills.

*Prerequisites:* 60 credit hours, MATH 152-3 or both of MATH 100-3 and MATH 101-3, ~~or permission of the instructor~~

*Precluded:* ENVS 406-3, ENSC 607-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:23

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:** \_\_\_\_\_ **Seconded by:** \_\_\_\_\_

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
Date Chair's Signature

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the prerequisites and preclusions for ENSC 607-3 on pages 109-110 in the 2019/2020 graduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

#### **ENSC 607-3 Environmental Modelling**

This course provides an understanding of the physical, chemical and biological processes that govern contaminant transport and fate in environmental media. Topics include modelling fundamentals, mass transport in aquatic ecosystems, and mathematical modelling of a wide variety of contamination issues, such as lake eutrophication, river water quality, groundwater contamination, atmospheric deposition, and climate change. Laboratory exercises will complement lecture topics and focus on the development of computer-based modelling skills.

*Precluded:* ENVS 406-3, ENVS 406-3, ENVS 607-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~striketrough~~”:**

#### **ENSC 607-3 Environmental Modelling**

This advanced course provides an understanding of the physical, chemical and biological processes that govern contaminant transport and fate in environmental media. Topics include: modelling fundamentals; mass transport in aquatic ecosystems; and mathematical modelling of a wide variety of contamination issues, such as lake eutrophication, river water quality, groundwater contamination, atmospheric deposition, and climate change. Laboratory exercises ~~will~~ complement lecture topics and focus on the development of computer-based modelling skills.

*Precluded:* ENVS 406-3, ENVS 406-3, ENVS 607-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science

**College:** CSAM

**SCCC Reviewed:** March 13, 2020



**College Council Motion Number:** CSAMCC 2020: 03:12:24

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the course description and prerequisite for ENSC 408-3 Storms, on page 222 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 408-3 Storms** This course covers the analysis and dynamics of synoptic weather systems; cyclones and cyclogenesis; fronts, thunderstorms, jet streams and stability; thermodynamic charts, satellite imagery and weather forecasting. May be taught alternate years.

*Prerequisites:* ENSC 201-3 or ENVS 201-3 or 200 level MATH or PHYS, or permission of the instructor  
*Precluded:* ENVS 408-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 408-3 Storms** This course covers the analysis and dynamics of synoptic weather systems; cyclones and cyclogenesis; fronts, thunderstorms, and jet streams; stability; and thermodynamic charts; satellite and radar imagery; severe weather; and weather forecasting. ~~May be taught alternate years.~~

*Prerequisites:* ENSC 201-3 ~~or ENVS 201-3~~ or 200 level MATH or PHYS, ~~or permission of the instructor~~  
*Precluded:* ENVS 408-3, ENSC 608-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:25

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the course description and prerequisite for ENSC 608-3 Storms, on page 110 of the 2019/2020 graduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 608-3 Storms** This course covers the analysis and dynamics of synoptic weather systems; cyclones and cyclogenesis; fronts, thunderstorms, jet streams and stability; thermodynamic charts, satellite imagery and weather forecasting. May be taught alternate years.

*Precluded:* ENSC 408-3, ENVS 408-3, ENVS 608-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 608-3 Storms** This advanced course covers the following topics: analysis and dynamics of synoptic weather systems; cyclones and cyclogenesis; fronts, thunderstorms, and jet streams; stability; and thermodynamic charts; ; satellite and radar imagery; severe weather; and weather forecasting. ~~May be taught alternate years.~~

*Precluded:* ENSC 408-3, ENVS 408-3, ENVS 608-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:26

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the course prerequisite for ENSC 412-3 Air Pollution, on page 222 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 412-3 Air Pollution** This is a multidisciplinary course focusing on air pollution: emissions, chemistry, air pollution meteorology and dispersion modelling, engineering and legislative controls, health effects, and airshed planning.

*Prerequisites:* ENSC 201-3 or ENVS 201-3, or permission of the instructor

*Precluded:* ENVS 412-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~striethrough~~”:**

**ENSC 412-3 Air Pollution** This ~~is a~~ multidisciplinary course ~~focuses~~ on air pollution~~-. Topics include~~ emissions, chemistry, air pollution meteorology and dispersion modelling, engineering and legislative controls, health effects, and airshed planning.

*Prerequisites:* ENSC 201-3 ~~or ENVS 201-3, or permission of the instructor~~

*Precluded:* ENVS 412-3, ENSC 612-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:27

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the course description and prerequisite for ENSC 418-3 Environmental Measurement and Analysis, on page 222 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:**  
This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 418-3 Environmental Measurement and Analysis** This is a capstone course for Environmental Science and Environmental Engineering Majors. It is a quantitative laboratory and field based course focusing on advanced environmental measurement and analysis of atmospheric, aquatic, and terrestrial systems. The approach is integrative and problem-oriented; students may examine natural and/or managed systems, including engineered systems (e.g., waste management) and systems impacted by anthropogenic activity (e.g., contamination).

*Prerequisites:* STAT 240-3 or STAT 371-3, 3 credit hours of 200 level CHEM, FSTY 205-3 or GEOG 210-3, and 90 credit hours or permission of the instructor

*Recommended:* ENSC 201-3, ENSC 202-3

*Strongly recommended:* BIOL 203-3, ENSC 201-3, ENSC 202-3, ENSC 308-3

*Precluded:* ENVS 418-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 418-3 Environmental Measurement and Analysis** This is a capstone course for Environmental Science and Environmental Engineering Majors. It is a quantitative laboratory and field based course focusing is focused on advanced environmental measurement and analysis of atmospheric, aquatic, and terrestrial systems. The approach is practical, integrative and problem-based, oriented; Students may examine natural and/or managed systems, including engineered systems (e.g., waste management) and systems impacted by anthropogenic activity (e.g., contamination).

*Prerequisites:* STAT 240-3 or STAT 371-3, 3 credit hours of 200 level CHEM or ENGR 220-3, FSTY 205-3 or GEOG 210-3, and 90 credit hours or permission of the instructor

*Recommended:* ENSC 201-3, ENSC 202-3

*Strongly recommended:* ~~BIOL 203-3, ENSC 201-3, ENSC 202-3, ENSC 308-3~~

*Precluded:* ENVS 418-3, ENSC 618-3



**6. Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:28

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:** \_\_\_\_\_ **Seconded by:** \_\_\_\_\_

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Chair's Signature** \_\_\_\_\_

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the course description for ENSC 618-3 Environmental Measurement and Analysis, on page 110 of the 2019/2020 graduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:**  
This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 618-3 Environmental Measurement and Analysis** This is a capstone course for Environmental Science and Environmental Engineering Majors. It is a quantitative laboratory and field based course focusing on advanced environmental measurement and analysis of atmospheric, aquatic, and terrestrial systems. The approach is integrative and problem-oriented; students may examine natural and/or managed systems, including engineered systems (e.g., waste management) and systems impacted by anthropogenic activity (e.g., contamination).

*Precluded:* ENSC 418-3, ENVS 418-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 618-3 Environmental Measurement and Analysis** This is a ~~capstone~~ advanced course for Environmental Science and Environmental Engineering ~~M~~majors. It is a ~~quantitative laboratory and field based course focusing~~ is focused on advanced environmental measurement and analysis of atmospheric, aquatic, and terrestrial systems. The approach is practical, integrative and problem-based. ~~oriented~~; Students may examine natural and/or managed systems, including engineered systems (e.g., waste management) and systems impacted by anthropogenic activity (e.g., contamination).

*Precluded:* ENSC 418-3, ENVS 418-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:29

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the course prerequisite for ENSC 435-3 Soil Biological Processes and the Environment, on page 222 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:**  
This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature.
3. **Implications of the changes for other programs, etc., if applicable:** None
4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 435-3 Soil Biological Processes and the Environment** Processes at the interface between the biosphere, atmosphere, hydrosphere and lithosphere are critical to the regulation of environmental quality on Earth. This course provides an overview of the soil habitat from a biological perspective and of how soil organisms and the processes they mediate play critical roles in a sustainable planet.

*Prerequisites:* FSTY 205-3 or permission from instructor

*Precluded:* FSTY 455-3, NREM 655-3, ENSC 635-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 435-3 Soil Biological Processes and the Environment** Processes at the interface between the biosphere, atmosphere, hydrosphere and lithosphere are critical to the regulation of environmental quality on Earth. This course provides an overview of the soil habitat from a biological perspective and of how soil organisms and the processes they mediate play critical roles in a sustainable planet.

*Prerequisites:* FSTY 205-3 and 3 credit hours of 100 level BIOL ~~or permission from instructor~~

*Precluded:* FSTY 455-3, NREM 655-3, ENSC 635-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:30

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change to the prerequisites for ENSC 440-(2-6) on page 222 of the 2019-2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. This motion is to add a prerequisite that students have completed no less than 60 credit hours to be successful in ENSC 440.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

ENSC 440-(2-6) Internship May be repeated for credit (maximum six credit hours).

*Prerequisites:* Permission of the instructor and Program Chair

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

ENSC ~~440-(2-6)~~ Internship This course may be repeated to a for credit (maximum of 6 six credit hours).

*Prerequisites:* 60 credit hours and pPermission of the instructor and Program Chair

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:31

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

Attachment Pages:  0  pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to  ✓ , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change to the prerequisites for ENSC 450-3 on page 222 of the 2019-2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. This motion is to add a prerequisite (from among several options) that addresses computer programming, that is needed for students to be successful in ENSC 450.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 450-3 Environmental and Geophysical Data Analysis** The focus of this course is on the principles and practicality of the most common environmental and geophysical data analysis methods, including time series analysis and multivariate statistical analysis as well as their application in the environmental and natural sciences. This course consists of lectures and labs, where students apply theories and methods learned in lectures to solve practical problems using computers and software for statistical data analysis.

*Prerequisites:* STAT 240-3 or STAT 371-3

*Precluded:* ENSC 650-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 450-3 Environmental and Geophysical Data Analysis** The focus of this course is on the principles and practicality of the most common environmental and geophysical data analysis methods, including time series analysis and multivariate statistical analysis as well as their application in the environmental and natural sciences. This course ~~consists of lectures and includes~~ includes labs, ~~where in which~~ where students ~~are expected to~~ are apply theories and methods ~~learned covered~~ learned in lectures to solve practical problems using computers ~~and~~ software for statistical data analysis.

*Prerequisites:* ENSC 250-2 or GEOG 250-3 or CPSC 100-3 or CPSC 110-3, STAT 240-3 or STAT 371-3

*Precluded:* ENSC 650-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)



**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:32

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the course description, the prerequisites and preclusions in the course description for ENSC 452-3 on page 222 of the 2019-2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. This motion is to modify the course description to better reflect content covered in the course. There is also the addition of a prerequisite (ENGR 220-3) as an additional option for students and the preclusion to ENSC 652-3, which is the graduate level offering of this course.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 452-3 Reclamation and Remediation of Disturbed Environments** This course takes an integrative, scientific approach to the remediation and reclamation of drastically disturbed environments. Industrial activity and chemical spills can result in the contamination of soil, surface water, and groundwater. In addition, some industrial activities such as mining can cause large scale disturbances to the landscape, potentially impacting both terrestrial and aquatic systems. The focus is on the remediation and reclamation of terrestrial systems, but aquatic systems are also included.

*Prerequisites:* Any second year 3-credit hour CHEM course, FSTY 205- 3, and 60 credit hours

*Recommended:* ENSC 308-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 452-3 Reclamation and Remediation of Disturbed Environments** This course takes an integrative, ~~scientific~~ approach to the remediation and reclamation of drastically disturbed environments. Understanding behavior, fate and transport of contaminants is used to place remediation within the context of use-specific risk reduction. Reclamation is examined as a way to return land to some agreed-upon purpose. Societal involvement is explored as a guide to acceptable choices of goals and options. ~~Industrial activity and chemical spills can result in the contamination of soil, surface water, and groundwater. In addition, some industrial activities such as mining can cause large scale disturbances to the landscape, potentially impacting both terrestrial and aquatic systems.~~ The focus is on the remediation and reclamation of terrestrial systems, but aquatic systems are also included.

*Prerequisites:* Any second year 3-credit hour CHEM course or ENGR 220-3, FSTY 205- 3, and 60 credit hours

*Recommended:* ENSC 308-3

*Precluded:* ENSC 652-3

**6. Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:33

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the course description for ENSC 652-3 on page 110 of the 2019-2020 graduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. This motion is to modify the course description to better reflect content covered in the course.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 652-3 Reclamation and Remediation of Disturbed Environments** This course takes an integrative, scientific approach to the remediation and reclamation of drastically disturbed environments. Industrial activity and chemical spills can result in the contamination of soil, surface water, and groundwater. In addition, some industrial activities such as mining can cause large-scale disturbances to the landscape, potentially impacting both terrestrial and aquatic systems. The focus is on the remediation and reclamation of terrestrial systems, but aquatic systems will be included.

*Precluded:* ENSC 452-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 652-3 Reclamation and Remediation of Disturbed Environments** This advanced course takes an integrative, ~~scientific~~ approach to the remediation and reclamation of drastically disturbed environments. Understanding behavior, fate and transport of contaminants is used to place remediation within the context of use-specific risk reduction. Reclamation is examined as a way to return land to some agreed-upon purpose. Societal involvement is explored as a guide to acceptable choices of goals and options. ~~Industrial activity and chemical spills can result in the contamination of soil, surface water, and groundwater. In addition, some industrial activities such as mining can cause large scale disturbances to the landscape, potentially impacting both terrestrial and aquatic systems.~~ The focus is on the remediation and reclamation of terrestrial systems, but aquatic systems ~~will be~~ are also included.

*Precluded:* ENSC 452-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:34

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the course description and preclusions for ENSC 454-3 on page 222 of the 2019-2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. This motion is to modify the course description to better reflect content covered in the course. There is also the addition of a preclusion to the graduate level offering of this course.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 454-3 Snow and Ice** This course focuses on the physical processes involving snow and ice that greatly influenced the hydrometeorology of Northern British Columbia and the remainder of Canada. This course has the following goals: gaining a better understanding of snowpack, permafrost, lake ice, and glacier formation and ablation processes; learning about the characteristics of snow and ice and how they will evolve with climate change; and conducting an extensive snow survey in the field.

*Prerequisites:* ENSC 201-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 454-3 Snow and Ice** This course focuses on the physical processes involving snow and ice that ~~greatly~~ influenced the hydrometeorology of Northern British Columbia and the ~~remainder~~ rest of Canada. ~~This course has the following goals: including gaining a better understanding of snowpack, permafrost, lake, river and sea ice, and glacier formation and ablation processes; learning about the characteristics of snow and ice and how they will evolve with climate change.; and conducting~~ Students conduct an extensive snow survey in the field.

*Prerequisites:* ENSC 201-3

*Precluded:* ENSC 654-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:35

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the course description for ENSC 654-3 on page 110 of the 2019-2020 graduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. This motion is to modify the course description to better reflect content covered in the course.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 654-3 Snow and Ice** This course focuses on the physical processes involving snow and ice that greatly influenced the hydrometeorology of Northern British Columbia and the remainder of Canada. This course has the following goals: gaining a better understanding of snowpack, permafrost, lake ice, and glacier formation and ablation processes; learning about the characteristics of snow and ice and how they will evolve with climate change; and conducting an extensive snow survey in the field.

*Prerequisites:* Permission of the Instructor

*Precluded:* ENSC 454-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 654-3 Snow and Ice** This advanced course focuses on the physical processes involving snow and ice that ~~greatly~~ influenced the hydrometeorology of Northern British Columbia and the ~~remainder~~ rest of Canada. ~~This course has the following goals: including gaining a better understanding of snowpack, permafrost, lake, river and sea ice, and glacier formation and ablation processes; learning about the characteristics of snow and ice and how they will evolve with climate change.; and conducting~~ Students conduct an extensive snow survey in the field.

*Prerequisites:* Permission of the Instructor

*Precluded:* ENSC 454-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM



**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:36

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change to the prerequisites in the course description for ENSC 498-(1-6) on page 223 of the 2019-2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. This motion is to add a prerequisite that students have completed no less than 60 credit hours to be successful in ENSC 498.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 498-(1-6) Special Topics** Selected environmental topics. May be repeated for credit (maximum six credit hours).

*Prerequisites:* Permission of the instructor and Program Chair

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 498-(1-6) Special Topics** This course examines sSelected environmental topics, depending on student interest and faculty availability. ~~This course may.~~ May be repeated to a for credit (maximum of 6 ~~six~~ credit hours) ~~if the material is substantially different.~~

*Prerequisites:* 60 credit hours and pPermission of the instructor and Program Chair

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:37

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable



Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the change to the prerequisites in the course description for ENSC 499-(1-6) on page 223 of the 2019-2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. This motion is to add a prerequisite that students have completed no less than 60 credit hours to be successful in ENSC 499.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**ENSC 499-(1-6) Independent Study** May be repeated for credit (maximum six credit hours).

*Prerequisites:* Permission of the instructor and Program Chair

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

**ENSC 499-(1-6) Independent Study** This course concentrates on particular topics agreed upon by the student and a member of the Environmental Science faculty. It may be repeated for credit (to a maximum of 6 credit hours) if the material is substantially different.

*Prerequisites:* 60 credit hours and pPermission of the instructor and Program Chair

6. **Authorization:**

**Program / Academic / Administrative Unit:** Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:38

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

Attachment Pages:   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:**                   SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That ENSC 660-3 on page 110 of the 2019-2020 graduate calendar, be deleted as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

This revision is part of the larger package of revisions in Environmental Science, that are mainly 'housekeeping' in nature. ENSC 460-3 was deleted in a previous round of curriculum revisions, but this course (the graduate counterpart) was forgotten at that time.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

ENSC 660-3 **Soil Chemical Processes and the Environment** Reactions at the interface of the atmosphere, biosphere, hydrosphere and lithosphere play key roles in regulating environmental quality on Earth. This course focuses on the key chemical processes in soils, in the Earth's "Critical Zone." The fundamental concepts of chemistry and mineralogy are applied to help students understand the soil system and its relevance to processes in natural ecosystems and environments impacted by human activity.

*Precluded:* ENSC 460-3, FSTY 455-3, NREM 655-3

5. **Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

~~ENSC 660-3 **Soil Chemical Processes and the Environment** Reactions at the interface of the atmosphere, biosphere, hydrosphere and lithosphere play key roles in regulating environmental quality on Earth. This course focuses on the key chemical processes in soils, in the Earth's "Critical Zone." The fundamental concepts of chemistry and mineralogy are applied to help students understand the soil system and its relevance to processes in natural ecosystems and environments impacted by human activity.~~

~~*Precluded:* ENSC 460-3, FSTY 455-3, NREM 655-3~~

6. **Authorization:** (Please ignore — Section to be completed by Committee Recording Secretaries)

**Program / Academic / Administrative Unit:**

Environmental Science (Chemistry, Environmental Science and Environmental Engineering)

**SCCC:** March 13, 2020

**College:** CSAM

**College Council Motion Number:** CSAMCC 2020: 03:12:39

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_

\_\_\_\_\_

**Date**

**Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change(s) to the course title and course description for GEOG 204-3 (Introduction to GIS for the Social Sciences) on page 233 of the 2019/2020 graduate / undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

Changes in the structure and content of GIS courses currently offered through the Geography Program at UNBC is being undertaken to provide a streamlined progression in skill sets and content (introduction, intermediate, and advanced), and to reduce curriculum overlap between existing courses. These changes will facilitate the articulation of GIS courses from and to UNBC, and provide the content necessary for either a Minor in GIS or the anticipated B.Sc. Geospatial degree. With these changes, the GIS curriculum will better serve students seeking employment in GIS related fields, and provide a logical starting point for non-GIS or Geography majors. This restructuring will increase course content without requiring additional faculty or the addition of extra courses.

3. **Implications of the changes for other programs, etc., if applicable:**

Degree programs affected by the changes to GEOG 204-3 include:

- Joint Major in Anthropology and Geography (BA)
- Minor in Management Information Systems
- Major in Computer Science
- Environmental Planning (ENPL) - Course prerequisites - ENPL 303-3 Spatial Planning with Geographical Information Systems (GIS) – 204 only prerequisite
- Major in Environmental and Sustainability Studies
- Joint Major in Environmental and Sustainability Studies and Political Science
- Geography Program (BA)
- Major in Public Administration and Community Development
- Minor in GIS (Geographic Information Systems)
- Minor in Human Geography
- Major in Outdoor Recreation and Conservation
- Major in Nature-Based Tourism Management – environment and society specialization
- Major in Northern Studies – methodology section

All programs are being actively consulted on the potential impacts these changes will have.

4. **Reproduction of current Calendar entry for the item to be revised:**

GEOG 204-3 Introduction to GIS for the Social Sciences

To manipulate database and spatial information and to create GIS based illustrations and maps. This lab-based introductory course will provide a foundation in GIS for social scientists. Students will incorporate data searching and acquisition, manipulation of information in spreadsheets, reviewing quality of data, spatial



properties of geographic information, linking meta-data to spatial features, basic cartographic techniques and map production.

*Prerequisites:* None

**5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

~~GEOG 204-3 Introduction to GIS for the Social Sciences~~ Introduction to GIS

This lab-based course provides an introduction to the data management and analysis capabilities of Geographic Information Systems (GIS) and provides a foundation in GIS. Topics include: geospatial data sources, input, attributes, formats, and conversions; projections and coordinate systems; and raster and vector analysis. This course combines data and common practices from natural resource management and social sciences, and has a project component.

~~To manipulate database and spatial information and to create GIS based illustrations and maps. This lab-based introductory course will provide a foundation in GIS for social scientists. Students will incorporate data searching and acquisition, manipulation of information in spreadsheets, reviewing quality of data, spatial properties of geographic information, linking meta-data to spatial features, basic cartographic techniques and map production.~~

*Prerequisites:* None

**6. Authorization:**

**Program / Academic / Administrative Unit:** Geography

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:40

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to**  \_\_\_\_\_, **or information of** \_\_\_\_\_ **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change(s) to the course title and course description for GEOG 300-3 Geographic Information Systems, on page 234 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:** Changes in the structure and content of GIS courses currently offered through the Geography Program at UNBC are being undertaken to provide a streamlined progression in skill sets and content (introduction, intermediate, and advanced), and to reduce curriculum overlap between existing courses. These changes will facilitate the articulation of GIS courses from and to UNBC, and provide the content necessary for either a Minor in GIS or the anticipated B.Sc. Geospatial degree. With these changes, the GIS curriculum will better serve students seeking employment in GIS related fields, reduce overlap between courses, and provide foundational GIS skills for a range of applications. This restructuring will increase course content without requiring additional faculty or the addition of extra courses.

3. **Implications of the changes for other programs, etc., if applicable:**

Degree programs affected by the proposed changes include:

- Environmental Planning
- Major in Environmental and Sustainability Studies
- Major in Forest Ecology and Management
- Major in Geography (BA and BSc)
- Minor in Geomorphology
- Minor in GIS
- Minor in Physical Geography
- Minor in Statistics
- Major in Outdoor Recreation and Conservation
- ORTM – Area of Specialization: Environment and Society
- Major in Nature-Based Tourism Management (Environment and Society specialization)
- Major in Northern Studies – methodology section

All programs have been consulted about the proposed changes.

4. **Reproduction of current Calendar entry for the item to be revised:**

GEOG 300-3 Geographic Information Systems

This lab-based course examines the data management and analysis capabilities of GIS, with special emphasis on natural resources and environmental studies. Topics include methods of data input, coordinate systems, data sources, attributes, formats and conversion, digital elevation data, raster-vector models, data availability and quality. Lectures introduce two labs per week.

*Prerequisites:* 30 credits or permission of instructor

**5. Proposed revision with changes underlined and deletions indicated clearly using "strikethrough":**

~~GEOG 300-3 Geographic Information Systems Intermediate GIS~~

~~This lab-based course builds on the fundamentals of GIS and covers a variety of spatial analysis and data management topics including vector and raster analysis; network analysis; data structures and formats; creation and management of personal spatial databases; and an introduction to scripting, modelling, and web mapping. A broad range of thematic areas (natural resources, earth science, urban and human environments) are covered. There is a project component to the course.~~

~~This lab-based course examines the data management and analysis capabilities of GIS, with special emphasis on natural resources and environmental studies. Topics include methods of data input, coordinate systems, data sources, attributes, formats and conversion, digital elevation data, raster-vector models, data availability and quality. Lectures introduce two labs per week.~~

~~Prerequisites: 30 credits~~ GEOG 204-3 or GEOG 205-3 or permission of instructor

**6. Authorization:**

**Program / Academic / Administrative Unit:** Geography

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:41

**College Council Approval Date:** March 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:** \_\_\_\_\_ **Seconded by:** \_\_\_\_\_

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Chair's Signature** \_\_\_\_\_

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change(s) to the course title and course description for GEOG 413-3 Advanced GIS, on page 235 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:** Changes in the structure and content of GIS courses currently offered through the Geography Program at UNBC are being undertaken to provide a streamlined progression in skill sets and content (introduction, intermediate, and advanced), and to reduce curriculum overlap between existing courses. These changes will facilitate the articulation of GIS courses from and to UNBC, and provide the content necessary for either a Minor in GIS or the anticipated B.Sc. Geospatial degree. With these changes, the GIS curriculum will better serve students seeking employment in GIS related fields, reduce overlap between courses, and provide foundational GIS skills for a range of applications. This restructuring will increase course content without requiring additional faculty or the addition of extra courses.

3. **Implications of the changes for other programs, etc., if applicable:**

Degree programs affected by the changes to GEOG 413-3 include

- BA and BSc Geography
- BSc Wildland Conservation
- Minor in Natural Resources Planning and Operations
- Minor in Earth Sciences
- Minor in Geomorphology
- Minor in GIS
- Minor in Statistics
- BSc Landscape Conservation and Management.

All affected programs have approved of the proposed changes.

4. **Reproduction of current Calendar entry for the item to be revised:**

GEOG 413-3 Advanced GIS This course is a project-oriented course following on from GEOG 300-3 and including topics such as spatial data set construction, data conversion, advanced digital elevation modelling, visualization and integration of raster imagery.

*Prerequisites:* GEOG 300-3 or permission of the instructor

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

GEOG 413-3 Advanced GIS This lab- and project-based course expands on the GIS skills acquired in GEOG 300-3. Topics include: enterprise level data management; multi-user versioning; project management; 3D geo-visualization; and web mapping. Marketable advanced GIS skills are taught through a range of subject areas, and members of the GIS community provide hands-on experience and exposure to industry practices. ~~This course is a project-oriented course following on from GEOG 300-3 and including topics such as spatial data set construction, data conversion, advanced digital elevation modelling, visualization and integration of raster imagery.~~

Prerequisites: GEOG 300-3 or permission of the instructor

**6. Authorization:**

**Program / Academic / Administrative Unit:** Geography

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:42

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the description and requirements for the Minor in GIS (Geographic Information Systems) on page 140 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

The changes to the Minor in GIS are due to proposed curriculum changes to GIS courses, curriculum changes to CPSC 110, and the frequency of several CPSC courses.

Our proposed changes to the minor in GIS include the requirement of both GEOG 204 (Introduction to Geographic Information Systems) and GEOG 300 (Intermediate GIS) or ENPL 303 (Spatial Planning with GIS). The minor thus requires at least an intermediate level of knowledge of GIS.

The curriculum for CPSC 110 has changed to use Python, a programming language commonly used in the fields of GIS and remote sensing. With this change, CPSC 110 has become a requirement for the minor. We had previously intended to have a CPSC programming course as a requirement of the GIS minor, but as the language taught was not commonly applied in geospatial analysis, it was not required.

Two new geospatial courses that involve computer programming and coding in Python (GEOG 250 and GEOG 450) have been added to the Geography program, and so we can now offer more GEOG courses as electives for the minor, and these are logical continuations of CPSC 110.

To continue offering CPSC electives in the GIS minor, a selection of courses that are often taken by previous students completing the minor are offered as CPSC electives in the proposed minor. These courses (CPSC 324, 344, and 444 and COMM 353) offer significant value to the minor and are also offered continually through the CPSC program (or cross listed COMM).

3. **Implications of the changes for other programs, etc., if applicable:**

Discussions with CPSC about the proposed changes to the Minor in GIS have been ongoing for the past year. The proposed changes will lead to an increase in the number of students taking introductory CPSC courses (CPSC 100-3 or CPSC 110-3).

4. **Reproduction of current Calendar entry for the item to be revised:**

The aim of the minor is to provide a level of competence in a combination of courses in Geographic Information Systems and Computer Science technologies. Combining these selected courses in Geography and Computer Science will provide a level of proficiency in geographic data processing and analysis suitable for careers in the GIS industry.

The three required Geography courses are the core of the minor, along with four additional courses selected from a list of GIS courses and Computer Science courses. CPSC 110-3 (Introduction to Computer Systems and Programming) CPSC 126-3 (Introduction to Computing) and CPSC 344-3 (Data Communications and Networking) are aimed at those not majoring in Computer Science.

A maximum of two courses (6 credit hours) at or above the 200 level used to fulfill program requirements for a major or another minor may also be used to fulfill requirements for a minor in GIS.

The minimum requirement for the completion of the minor in GIS is 21 credit hours, of which at least 12 must be upper-division credits.

## Requirements

GEOG 205-3 Cartography and Geomatics  
GEOG 300-3 Geographic Information Systems  
GEOG 357-3 Introduction to Remote Sensing

Four courses from the list below, include at least one in GEOG/ENPL and two in CPSC:

ENPL 303-3 Spatial Planning with Geographical Information Systems (GIS)  
GEOG 204-3 Introduction to GIS for the Social Sciences  
GEOG 413-3 Advanced GIS  
GEOG 457-3 Advanced Remote Sensing  
CPSC 100-4 Computer Programming I  
or CPSC 110-3 Introduction to Computer Systems and Programming  
CPSC 126-3 Introduction to Computing  
CPSC 270-3 Human Interface Design  
CPSC 324-3 Introduction to Database Systems  
CPSC 344-3 Data Communications and Networking  
or COMM 353-3 Business Data Communications and Networking  
or CPSC 444-3 Computer Networks

### 5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:

The aim of the ~~M~~minor in GIS (Geographic Information Systems) is to provide a high level of competence in a ~~combination of courses in Geographic Information Systems~~ GIS and Computer Science technologies. ~~Combining these selected courses in Geography and Computer Science will provide a level of proficiency in geographic data processing and analysis suitable for careers in the GIS industry.~~ Students with a minor in GIS gain experience in geographic data processing and analysis and are well-positioned for GIS-related careers.

~~The three required Geography courses are the~~ Four required Geography courses and one Computer Science course form the core of the minor along with four additional courses selected from a list of GIS courses and ~~Computer Science courses.~~ Two additional courses can be selected from a range of options. CPSC 110-3 (Introduction to Computer Systems and Programming), ~~CPSC 126-3 (Introduction to Computing)~~ and CPSC 344-3 (Data Communications and Networking) are aimed at those not majoring in Computer Science.

A maximum of two courses (6 credit hours) at or above the 200 level used to fulfill program requirements for a major or another minor may also be used to fulfill requirements for a minor in GIS.

The minimum requirement for the completion of the minor in GIS is 21 credit hours, of which at least 12 must be upper-division credits. Students must ensure that all prerequisites are fulfilled prior to taking courses at the 300 and 400 levels.

## Requirements

CPSC 100-4 Computer Programming



or CPSC 110-3 Introduction to Computer Systems and Programming  
GEOG 204-3 Introduction to GIS  
GEOG 205-3 Cartography and Geomatics  
GEOG 300-3 Intermediate GIS  
GEOG 357-3 Introduction to Remote Sensing

Two courses from the following list:

Four courses from the list below, include at least one in GEOG/ENPL and two in CPSC:

~~GEOG 204-3 Introduction to GIS for the Social Sciences~~  
CPSC 324-3 Introduction to Database Systems 1  
CPSC 344-3 Data Communications and Networking  
    or COMM 353-3 Business Data Communications and Networking  
    or CPSC 444-3 Computer Networks  
ENPL 303-3 Spatial Planning with Geographical Information Systems (GIS)  
GEOG 413-3 Advanced GIS  
GEOG 450-3 Advanced Geospatial Analysis  
GEOG 457-3 Advanced Remote Sensing  
~~CPSC 100-4 Computer Programming I~~  
    or CPSC 110-3 Introduction to Computer Systems and Programming  
~~CPSC 126-3 Introduction to Computing~~  
~~CPSC 270-3 Human Interface Design~~

**6. Authorization:**

**Program / Academic / Administrative Unit:** Geography

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:43

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:**

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:**

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to ✓, or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the change(s) to the Major in Geography (BSc) on page 139 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:**

Proposed changes to the Geographic Information Systems (GIS) courses require adding the revised GEOG 204-3 Introduction to Geographic Information Systems as a required second year course, and changing the name of GEOG 300-3 to reflect the revised course title and description.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

#### **200 Level**

ENSC 201-3 Weather and Climate  
FSTY 205-3 Introduction to Soil Science  
GEOG 200-3 British Columbia: People and Places  
GEOG 205-3 Cartography and Geomatics  
GEOG 210-3 Introduction to Earth Science  
GEOG 211-3 Natural Hazards: Human and Environmental Dimensions  
GEOG 212-1 Earth Science Careers  
GEOG 250-3 Introduction to Geospatial Analysis  
or ENSC 250-2 Introduction to Environmental Data Analysis  
STAT 240-3 Basic Statistics

#### **Upper-Division Requirement**

#### **300 Level**

GEOG 300-3 Geographic Information Systems  
GEOG 310-3 Hydrology  
GEOG 311-3 Drainage Basin Geomorphology  
GEOG 312-3 Geomorphology of Cold Regions  
GEOG 357-3 Introduction to Remote Sensing

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~striketrough~~”:**

#### **200 Level**

ENSC 201-3 Weather and Climate  
FSTY 205-3 Introduction to Soil Science  
GEOG 200-3 British Columbia: People and Places  
GEOG 204-3 Introduction to GIS

\_\_\_\_\_ or GEOG 205-3 Cartography and Geomatics  
GEOG 210-3 Introduction to Earth Science  
GEOG 211-3 Natural Hazards: Human and Environmental Dimensions  
GEOG 212-1 Earth Science Careers  
GEOG 250-3 Introduction to Geospatial Analysis  
or ENSC 250-2 Introduction to Environmental Data Analysis  
STAT 240-3 Basic Statistics

### Upper-Division Requirement

#### 300 Level

GEOG 300-3 Intermediate GIS ~~Geographic Information Systems~~  
GEOG 310-3 Hydrology  
GEOG 311-3 Drainage Basin Geomorphology  
GEOG 312-3 Geomorphology of Cold Regions  
GEOG 357-3 Introduction to Remote Sensing

#### 6. Authorization:

**Program / Academic / Administrative Unit:** Geography

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:44

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** n/a

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** n/a

#### 7. Other Information

**Attachment Pages:**   0   pages

#### INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING

##### Brief Summary of Committee Debate:

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

**Date**

**Chair's Signature**

**For recommendation to**   ✓  , **or information of** \_\_\_\_\_ **Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the change(s) to the listed requirements for the minor in Physical Geography, on page 141 of the 2019/2020 graduate / undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:** Changes in the structure and content of GIS courses currently offered through the Geography Program at UNBC are being undertaken to provide a streamlined progression in skill sets and content (introduction, intermediate, and advanced), and to reduce curriculum overlap between existing courses. The change in course title for GEOG 300-3 needs to be updated in the calendar description of the minor in Physical Geography.

3. **Implications of the changes for other programs, etc., if applicable:**

Not applicable.

4. **Reproduction of current Calendar entry for the item to be revised:**

GEOG 300-3 Geographic Information Systems

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~striketrough~~”:**

GEOG 300-3 Intermediate GIS ~~Geographic Information Systems~~

6. **Authorization:** (Please ignore — Section to be completed by Committee Recording Secretaries)

**Program / Academic / Administrative Unit:** Geography

**College:** CSAM

**SCCC:** March 13, 2020 (Pending)

**College Council Motion Number:** CSAMCC 2020: 03:12:45

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to  ✓ , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the change(s) to the listed requirements for the minor in Geomorphology, on page 140 of the 2019/2020 graduate / undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:** Changes in the structure and content of GIS courses currently offered through the Geography Program at UNBC are being undertaken to provide a streamlined progression in skill sets and content (introduction, intermediate, and advanced), and to reduce curriculum overlap between existing courses. The change in course title for GEOG 300-3 needs to be updated in the calendar description of the minor in Physical Geography.

3. **Implications of the changes for other programs, etc., if applicable:**

Not applicable.

4. **Reproduction of current Calendar entry for the item to be revised:**

GEOG 300-3 Geographic Information Systems

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~striketrough~~”:**

GEOG 300-3 Intermediate GIS ~~Geographic Information Systems~~

6. **Authorization: (Please ignore — Section to be completed by Committee Recording Secretaries)**

**Program / Academic / Administrative Unit:** Geography

**SCCC:** March 13, 2020 (Pending)

**College:** CSAM

**College Council Motion Number:** CSAMCC 2020: 03:12:46

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to  ✓ , or information of \_\_\_\_\_ Senate.**



Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the change(s) to the pre-requisites for GEOG 357-3 on page 140 of the 2019/2020 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:** Changes in the structure and content of GIS courses currently offered through the Geography Program at UNBC are being undertaken to provide a streamlined progression in skill sets and content (introduction, intermediate, and advanced), and to reduce curriculum overlap between existing courses. The prerequisites for GEOG 357-3 need to be updated in the calendar description of the minor in Physical Geography.

3. **Implications of the changes for other programs, etc., if applicable:**

Not applicable.

4. **Reproduction of current Calendar entry for the item to be revised:**

**GEOG 357-3 Introduction to Remote Sensing** This course covers digital processing of satellite imagery and integration with raster and vector GIS technology in natural resources and remote sensing of the environment. Topics include sensor platforms and data collection, pre-processing, enhancement, classification, change detection, multi-data integration and vectorization.

*Prerequisites:* GEOG 205-3 or GEOG 300-3, or permission of the instructor

*Precluded:* GEOG 432-3

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**GEOG 357-3 Introduction to Remote Sensing** This course covers digital processing of satellite imagery and integration with raster and vector GIS technology in natural resources and remote sensing of the environment. Topics include sensor platforms and data collection, pre-processing, enhancement, classification, change detection, multi-data integration and vectorization.

*Prerequisites:* GEOG 204-3 or GEOG 205-3 or ~~GEOG 300-3~~, or permission of the instructor

*Precluded:* GEOG 432-3

6. **Authorization:**

**Program / Academic / Administrative Unit:** Geography

**College:** CSAM

**SCCC Reviewed:** March 13, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:47

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the program requirements for the BSc Wildlife and Fisheries on page 180 of the 2019/20 undergraduate calendar, be approved as proposed.”

1. **Effective date:** September, 2020
2. **Rationale for the proposed revisions:** The Geography Program has revised the Geographic Information Systems (GIS) courses, and the changes they made require changes to degree requirements in the BSc Wildlife and Fisheries.
3. **Implications of the changes for other programs, etc., if applicable:** none
4. **Reproduction of current Calendar entry for the item to be revised:**

#### **200 Level**

BIOL 201-3 Ecology  
BIOL 210-3 Genetics  
CHEM 220-3 Organic and Biochemistry  
FSTY 201-3 Forest Plant Systems  
or BIOL 301-3 Systematic Botany  
FSTY 205-3 Introduction to Soil Science  
FSTY 207-1 Terrestrial Ecological Classification  
NREM 204-3 Introduction to Wildlife and Fisheries  
STAT 240-3 Basic Statistics

Two of the following:

BIOL 202-3 Invertebrate Zoology  
BIOL 204-3 Plant Biology  
GEOG 210-3 Introduction to Earth Science  
NREM 210-4 Integrated Resource Management

#### **Upper-Division Requirement**

#### **300 Level**

BIOL 302-3 Limnology  
BIOL 307-3 Ichthyology and Herpetology  
BIOL 308-3 Ornithology and Mammalogy  
BIOL 315-3 Animal Diseases and Parasites  
BIOL 325-3 Ecological Analyses

ENPL 305-3 Environmental Impact Assessment  
or ENVS 326-3 Natural Resources, Environmental Issues and Public Engagement  
or ENVS 414-3 Environmental and Professional Ethic  
GEOG 300-3 Geographic Information Systems  
NREM 303-3 Aboriginal Perspectives on Land and Resource Management  
or NREM 306-3 Society, Policy and Administration

5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:

**200 Level**

BIOL 201-3 Ecology  
BIOL 210-3 Genetics  
CHEM 220-3 Organic and Biochemistry  
FSTY 201-3 Forest Plant Systems  
or BIOL 301-3 Systematic Botany  
FSTY 205-3 Introduction to Soil Science  
FSTY 207-1 Terrestrial Ecological Classification  
GEOG 204-3 Introduction to Geographic Information Systems  
NREM 204-3 Introduction to Wildlife and Fisheries  
STAT 240-3 Basic Statistics

Two of the following:

BIOL 202-3 Invertebrate Zoology  
BIOL 204-3 Plant Biology  
GEOG 210-3 Introduction to Earth Science  
NREM 210-4 Integrated Resource Management

**Upper-Division Requirement**

**300 Level**

BIOL 302-3 Limnology  
BIOL 307-3 Ichthyology and Herpetology  
BIOL 308-3 Ornithology and Mammalogy  
BIOL 315-3 Animal Diseases and Parasites  
BIOL 325-3 Ecological Analyses  
ENPL 305-3 Environmental Impact Assessment  
or ENVS 326-3 Natural Resources, Environmental Issues and Public Engagement  
or ENVS 414-3 Environmental and Professional Ethic  
~~GEOG 300-3 Geographic Information Systems~~  
NREM 303-3 Aboriginal Perspectives on Land and Resource Management  
or NREM 306-3 Society, Policy and Administration

6. **Authorization:** (Please ignore — Section to be completed by Committee Recording Secretaries)

Program / Academic / Administrative Unit: ESM

**SCCC:** Pending

College: CSAM

College Council Motion Number: CSAMCC 2020: 03:12:48

College Council Approval Date: March 12, 2020

Senate Committee on First Nations and Aboriginal Peoples Motion Number: not applicable

Senate Committee on First Nations and Aboriginal Peoples Meeting Date: not applicable

7. **Other Information**

Attachment Pages:   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:** \_\_\_\_\_ **Seconded by:** \_\_\_\_\_

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
Date Chair's Signature

For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the program requirements for the Joint Major in Environmental and Sustainability Studies and Political Science, on page 120 of the 2019/20 undergraduate calendar, be approved as proposed.”

1. **Effective date:** September, 2020
2. **Rationale for the proposed revisions:** The Geography Program has revised the Geographic Information Systems (GIS) courses, and the changes they made require changes to degree requirements in the joint major in Environmental and Sustainability Studies and Political Science.
3. **Implications of the changes for other programs, etc., if applicable:** none
4. **Reproduction of current Calendar entry for the item to be revised:**

**100 Level**

BIOL 110-3 Introductory Ecology  
or NREM 101-3 Introduction to Natural Resources Management and Conservation  
ENVS 101-3 Introduction to Environmental Citizenship  
ENVS 225-3 Global Environmental Change: Sustainability  
ENVS 230-3 Introduction to Environmental Policy  
FNST 100-3 The Aboriginal Peoples of Canada  
GEOG 101-3 Planet Earth  
INTS 100-3 Introduction to Global Studies  
POLS 100-3 Contemporary Political Issues  
GEOG 204-3 Introduction to GIS for the Social Sciences  
or GEOG 205-3 Cartography and Geomatics  
POLS 200-3 Canadian Government and Politics  
POLS 202-3 Canada in Comparative Perspective  
POLS 270-3 Political Philosophy: Antiquity to Early Modernity

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**100 Level**

BIOL 110-3 Introductory Ecology  
or NREM 101-3 Introduction to Natural Resources Management and Conservation  
ENVS 101-3 Introduction to Environmental Citizenship  
ENVS 225-3 Global Environmental Change: Sustainability  
ENVS 230-3 Introduction to Environmental Policy  
FNST 100-3 The Aboriginal Peoples of Canada

GEOG 101-3 Planet Earth  
INTS 100-3 Introduction to Global Studies  
POLS 100-3 Contemporary Political Issues  
GEOG 204-3 Introduction to ~~GIS for the Social Sciences~~ Geographic Information Systems  
or GEOG 205-3 Cartography and Geomatics  
POLS 200-3 Canadian Government and Politics  
POLS 202-3 Canada in Comparative Perspective  
POLS 270-3 Political Philosophy: Antiquity to Early Modernity

6. **Authorization:** (Please ignore — Section to be completed by Committee Recording Secretaries)

**Program / Academic / Administrative Unit:** ESM

**SCCC:** Pending

**College:** CSAM

**College Council Motion Number:** CSAMCC 2020: 03:12:49

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the program requirements for the BA in Nature-Based Tourism Management (Diploma Completion), Environment and Society Area of Specialization on page 158 of the 2019/20 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** The Geography Program has revised the Geographic Information Systems (GIS) courses, and the changes they made require changes to degree requirements in the BA in Nature-Based Tourism Management (Diploma Completion), Environment and Society Area of Specialization.
3. **Implications of the changes for other programs, etc., if applicable:** none
4. **Reproduction of current Calendar entry for the item to be revised:**

**Environment and Society**

ENVS 101-3 Introduction to Environmental Citizenship  
ENPL 205-3 Environment and Society  
or ENPL 208-3 First Nations Community and Environmental Planning

One of the following:

GEOG 204-3 Introduction to GIS for the Social Sciences  
GEOG 205-3 Cartography and Geomatics  
GEOG 300-3 Geographic Information Systems

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikerough~~”:**

**Environment and Society**

ENVS 101-3 Introduction to Environmental Citizenship  
ENPL 205-3 Environment and Society  
or ENPL 208-3 First Nations Community and Environmental Planning

One of the following:

~~GEOG 204-3 Introduction to GIS for the Social Sciences~~ Introduction to GIS  
GEOG 205-3 Cartography and Geomatics  
~~GEOG 300-3 Geographic Information Systems~~



6. **Authorization:**

**Program / Academic / Administrative Unit:** ESM

**College:** CSAM

**SCCC Reviewed:** March 27, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:50

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:** \_\_\_\_\_ **Seconded by:** \_\_\_\_\_

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
Date Chair's Signature

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the program requirements for the BA in Nature-Based Tourism Management, Environment and Society Area of Specialization on page 156 of the 2019/20 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020

2. **Rationale for the proposed revisions:** The Geography Program has revised the Geographic Information Systems (GIS) courses, and the changes they made require changes to degree requirements in the BA in Nature-Based Tourism Management, Environment and Society Area of Specialization.

3. **Implications of the changes for other programs, etc., if applicable:** none

4. **Reproduction of current Calendar entry for the item to be revised:**

**Environment and Society**

ENVS 101-3 Introduction to Environmental Citizenship

ENPL 205-3 Environment and Society

or ENPL 208-3 First Nations Community and Environmental Planning

One of the following:

GEOG 204-3 Introduction to GIS for the Social Sciences

GEOG 205-3 Cartography and Geomatics

GEOG 300-3 Geographic Information Systems

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**Environment and Society**

ENVS 101-3 Introduction to Environmental Citizenship

ENPL 205-3 Environment and Society

or ENPL 208-3 First Nations Community and Environmental Planning

One of the following:

GEOG 204-3 ~~Introduction to GIS for the Social Sciences~~ Introduction to GIS

GEOG 205-3 Cartography and Geomatics

~~GEOG 300-3 Geographic Information Systems~~

6. **Authorization:**

**Program / Academic / Administrative Unit:** ESM

**College:** CSAM

**SCCC Reviewed:** March 27, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:51

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the program requirements for the BSc Forest Ecology and Management on page 132 of the 2019/20 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** The Geography Program has revised the Geographic Information Systems (GIS) courses, and the changes they made require changes to degree requirements in the BSc Forest Ecology and Management.
3. **Implications of the changes for other programs, etc., if applicable:** none
4. **Reproduction of current Calendar entry for the item to be revised:**

**200 Level**

BIOL 201-3 Ecology  
ENSC 201-3 Weather and Climate  
FSTY 201-3 Forest Plant Systems  
FSTY 205-3 Introduction to Soil Science  
FSTY 207-1 Terrestrial Ecological Classification  
FSTY 209-4 Forest Biology and Silvics  
GEOG 205-3 Cartography and Geomatics  
or GEOG 300-3 Geographic Information Systems  
GEOG 210-3 Introduction to Earth Science  
NREM 203-3 Resource Inventories and Measurements  
STAT 240-3 Basic Statistics

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~striketrough~~”:**

**200 Level**

BIOL 201-3 Ecology  
ENSC 201-3 Weather and Climate  
FSTY 201-3 Forest Plant Systems  
FSTY 205-3 Introduction to Soil Science  
FSTY 207-1 Terrestrial Ecological Classification  
FSTY 209-4 Forest Biology and Silvics  
GEOG 204-3 Introduction to GIS  
or GEOG 205-3 Cartography and Geomatics  
~~or GEOG 300-3 Geographic Information Systems~~

GEOG 210-3 Introduction to Earth Science  
NREM 203-3 Resource Inventories and Measurements  
STAT 240-3 Basic Statistics

6. **Authorization:**

**Program / Academic / Administrative Unit:** ESM

**College:** CSAM

**SCCC Reviewed:** March 27, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:52

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

7. **Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the program requirements for the BSc Conservation Science and Practice, Major in Wildland Conservation and Recreation on page 83 of the 2019/20 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** The Geography Program has revised the Geographic Information Systems (GIS) courses, and the changes they made require changes to degree requirements in the BSc Conservation Science and Practice, major in Wildland Conservation and Recreation.
3. **Implications of the changes for other programs, etc., if applicable:** none
4. **Reproduction of current Calendar entry for the item to be revised:**

#### **200 Level**

BIOL 201-3 Ecology  
FSTY 201-3 Forest Plant Systems  
or BIOL 301-3 Systematic Botany  
NREM 204-3 Introduction to Wildlife and Fisheries  
NREM 209-3 The Practice of Conservation  
ORTM 200-3 Sustainable Recreation and Tourism  
ORTM 205-3 Outdoor Skills and Leadership  
STAT 240-3 Basic Statistics

#### **Upper-Division Requirement**

#### **300 Level**

ENPL 304-3 Mediation, Negotiation and Public Participation  
or ENV5 326-3 Natural Resources, Environmental Issues and Public Engagement  
GEOG 300-3 Geographic Information Systems  
NREM 303-3 Aboriginal Perspectives on Land and Resource Management  
ORTM 300-3 Recreation and Tourism Impacts  
ORTM 305-3 Protected Area Planning and Management  
ORTM 332-3 Outdoor, Environmental and Experiential Education  
ORTM 333-3 Field School

Two of the following:

BIOL 302-3 Limnology

BIOL 304-3 Plants, Society and the Environment  
BIOL 307-3 Ichthyology and Herpetology  
BIOL 308-3 Ornithology and Mammalogy  
BIOL 318-3 Fungi and Lichens  
BIOL 322-3 Entomology  
BIOL 323-3 Evolutionary Biology  
BIOL 333-3 Field School  
BIOL 350-3 Ethnobotany  
NREM 333-3 Field Applications in Resource Management

#### **400 Level**

BIOL 411-3 Conservation Biology  
GEOG 413-3 Advanced GIS  
or BIOL 325-3 Ecological Analyses  
NREM 400-4 Natural Resources Planning  
NREM 409-3 Conservation Planning  
ORTM 400-3 Conservation Area Design and Management

#### **5. Proposed revision with changes underlined and deletions indicated clearly using “~~striketrough~~”:**

#### **200 Level**

BIOL 201-3 Ecology  
FSTY 201-3 Forest Plant Systems  
or BIOL 301-3 Systematic Botany  
GEOG 204-3 Introduction to GIS  
NREM 204-3 Introduction to Wildlife and Fisheries  
NREM 209-3 The Practice of Conservation  
ORTM 200-3 Sustainable Recreation and Tourism  
ORTM 205-3 Outdoor Skills and Leadership  
STAT 240-3 Basic Statistics

### **Upper-Division Requirement**

#### **300 Level**

ENPL 304-3 Mediation, Negotiation and Public Participation  
or ENVS 326-3 Natural Resources, Environmental Issues and Public Engagement  
GEOG 300-3 ~~Geographic Information Systems~~ Intermediate GIS  
NREM 303-3 Aboriginal Perspectives on Land and Resource Management  
ORTM 300-3 Recreation and Tourism Impacts  
ORTM 305-3 Protected Area Planning and Management  
ORTM 332-3 Outdoor, Environmental and Experiential Education  
ORTM 333-3 Field School

Two of the following:

BIOL 302-3 Limnology  
BIOL 304-3 Plants, Society and the Environment  
BIOL 307-3 Ichthyology and Herpetology  
BIOL 308-3 Ornithology and Mammalogy  
BIOL 318-3 Fungi and Lichens

BIOL 322-3 Entomology  
BIOL 323-3 Evolutionary Biology  
BIOL 333-3 Field School  
BIOL 350-3 Ethnobotany  
NREM 333-3 Field Applications in Resource Management

**400 Level**

BIOL 411-3 Conservation Biology  
~~GEOG 413-3 Advanced GIS~~  
~~—or BIOL 325-3 Ecological Analyses~~  
NREM 400-4 Natural Resources Planning  
NREM 409-3 Conservation Planning  
ORTM 400-3 Conservation Area Design and Management

**6. Authorization:**

**Program / Academic / Administrative Unit:** ESM

**College:** CSAM

**SCCC Reviewed:** March 27, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:53

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**



Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the program requirements for the BSc Conservation Science and Practice, Major in Landscape Conservation and Management on page 84 of the 2019/20 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** The Geography Program has revised the Geographic Information Systems (GIS) courses, and the changes they made require changes to degree requirements in the BSc Conservation Science and Practice, major in Landscape Conservation and Management. There was also a small typo in NREM 409, listed as NREM-409.
3. **Implications of the changes for other programs, etc., if applicable:** none
4. **Reproduction of current Calendar entry for the item to be revised:**

**200 Level**

BIOL 201-3 Ecology  
ENSC 201-3 Weather and Climate  
ENVS 306-3 Human Ecology  
or ENVS 225-3 Global Environmental Change: Science and Policy  
FNST 249-3 Aboriginal Resource Planning  
NREM 204-3 Introduction to Wildlife and Fisheries  
NREM 209-3 The Practice of Conservation  
POLS 257-3 Public Law in Canada  
STAT 240-3 Basic Statistics

**300 Level**

BIOL 325-3 Ecological Analyses  
ENPL 304-3 Mediation, Negotiation & Public Participation  
or ENVS 326-3 Natural Resources, Environmental Issues and Public Engagement  
ENSC 302-3 Low Carbon Energy Development  
or ECON 305-3 Environmental Economics and Environmental Policy  
GEOG 300-3 Geographic Information Systems  
NREM 303-3 Aboriginal Perspectives on Land and Resource Management

Two of the following:

BIOL 301-3 Systematic Botany  
BIOL 307-3 Ichthyology and Herpetology  
BIOL 308-3 Ornithology and Mammalogy

BIOL 318-3 Fungi and Lichens  
BIOL 322-3 Entomology  
BIOL 350-3 Ethnobotany  
FSTY 201-3 Forest Plant Systems

#### **400 Level**

BIOL 409-3 Conservation of Aquatic Ecosystems  
or ENSC 425-3 Climate Change and Global Warming  
BIOL 411-3 Conservation Biology  
ENVS 414-3 Environmental and Professional Ethics  
FSTY 405-3 Forest Ecosystem Modelling  
or ENSC 406-3 Environmental Modelling  
GEOG 413-3 Advanced GIS  
NREM 400-4 Natural Resources Planning  
NREM-409-3 Conservation Planning  
ORTM 400-3 Conservation Area Design and Management

#### **5. Proposed revision with changes underlined and deletions indicated clearly using “~~striketrough~~”:**

#### **200 Level**

BIOL 201-3 Ecology  
ENSC 201-3 Weather and Climate  
ENVS 306-3 Human Ecology  
or ENVS 225-3 Global Environmental Change: Science and Policy  
FNST 249-3 Aboriginal Resource Planning  
GEOG 204-3 Introduction to GIS  
NREM 204-3 Introduction to Wildlife and Fisheries  
NREM 209-3 The Practice of Conservation  
POLS 257-3 Public Law in Canada  
STAT 240-3 Basic Statistics

#### **300 Level**

BIOL 325-3 Ecological Analyses  
ENPL 304-3 Mediation, Negotiation & Public Participation  
or ENVS 326-3 Natural Resources, Environmental Issues and Public Engagement  
ENSC 302-3 Low Carbon Energy Development  
or ECON 305-3 Environmental Economics and Environmental Policy  
GEOG 300-3 ~~Geographic Information Systems~~ Intermediate GIS  
NREM 303-3 Aboriginal Perspectives on Land and Resource Management

Two of the following:

BIOL 301-3 Systematic Botany  
BIOL 307-3 Ichthyology and Herpetology  
BIOL 308-3 Ornithology and Mammalogy  
BIOL 318-3 Fungi and Lichens  
BIOL 322-3 Entomology  
BIOL 350-3 Ethnobotany  
FSTY 201-3 Forest Plant Systems

**400 Level**

- BIOL 409-3 Conservation of Aquatic Ecosystems  
or ENSC 425-3 Climate Change and Global Warming
- BIOL 411-3 Conservation Biology
- ENVS 414-3 Environmental and Professional Ethics
- FSTY 405-3 Forest Ecosystem Modelling  
or ENSC 406-3 Environmental Modelling
- ~~GEOG 413-3 Advanced GIS~~
- NREM 400-4 Natural Resources Planning
- NREM-409-3 Conservation Planning
- ORTM 400-3 Conservation Area Design and Management

**6. Authorization:**

**Program / Academic / Administrative Unit:** ESM

**College:** CSAM

**SCCC Reviewed:** March 27, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:54

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:** \_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

## SENATE COMMITTEE ON ACADEMIC AFFAIRS

### PROPOSED REVISION OF CALENDAR ENTRY

**Motion:** That the changes to the program requirements for the BSc (Integrated) Coast Mountain College Degree Completion Program on page 57 of the 2019/20 undergraduate calendar, be approved as proposed.”

1. **Effective date:** September, 2020
2. **Rationale for the proposed revisions:** The Geography Program has revised the Geographic Information Systems (GIS) courses, and the changes they made require changes to degree requirements in the BSc (Integrated) Coast Mountain Degree Completion Program.
3. **Implications of the changes for other programs, etc., if applicable:** none
4. **Reproduction of current Calendar entry for the item to be revised:**

### Degree Requirements

1. Coast Mountain College Associate of Science Degree – Environmental Geosciences Specialization (minimum Cumulative GPA of 2.0)
2. Nine credit hours of required courses, as follows:  
GEOG 300-3 Geographic Information Systems  
ENVS 414-3 Environmental and Professional Ethics  
NRES 421-1 Professional Writing  
NRES 422-2 Undergraduate Report  
Total: 9 credit hours
3. Three credit hours of any level Humanities and Social Sciences
5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikerough~~”:**
  1. Coast Mountain College Associate of Science Degree – Environmental Geosciences Specialization (minimum Cumulative GPA of 2.0)
  2. Nine credit hours of required courses, as follows:  
~~GEOG 300-3 Geographic Information Systems~~  
GEOG 204-3 Introduction to Geographic Information Systems  
ENVS 414-3 Environmental and Professional Ethics  
NRES 421-1 Professional Writing

NRES 422-2 Undergraduate Report  
Total: 9 credit hours

3. Three credit hours of any level Humanities and Social Sciences

6. **Authorization:** (Please ignore — Section to be completed by Committee Recording Secretaries)

Program / Academic / Administrative Unit: ESM

**SCCC:** Pending

College: CSAM

College Council Motion Number: CSAMCC 2020: 03:12:55

College Council Approval Date: March 12, 2020

Senate Committee on First Nations and Aboriginal Peoples Motion Number: not applicable

Senate Committee on First Nations and Aboriginal Peoples Meeting Date: not applicable

7. **Other Information**

Attachment Pages:   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

Motion No.: SCAAF

Moved by:

Seconded by:

Committee Decision:

Approved by SCAAF:

\_\_\_\_\_

\_\_\_\_\_

For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the changes to the program requirements for the BA in Environmental and Sustainability Studies, on page 118 of the 2019/20 undergraduate calendar, be approved as proposed.

1. **Effective date:** September 2020
2. **Rationale for the proposed revisions:** The Geography Program has revised the Geographic Information Systems (GIS) courses, and the changes they made require changes to degree requirements in the BA Environmental and Sustainability Studies.
3. **Implications of the changes for other programs, etc., if applicable:** none
4. **Reproduction of current Calendar entry for the item to be revised:**

**200 Level**

ENGL 270-3 Expository Writing  
or ENGL 271-3 Creative Writing  
ENVS 225-3 Global Environmental Change: Sustainability  
ENVS 230-3 Introduction to Environmental Policy  
GEOG 204-3 GIS for the Social Sciences  
or GEOG 300-3 Geographic Information Systems  
PHIL 202-3 Comparative Religion  
or FNST 303-3 First Nations Religion and Philosophy

5. **Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

ENGL 270-3 Expository Writing  
or ENGL 271-3 Creative Writing  
ENVS 225-3 Global Environmental Change: Sustainability  
ENVS 230-3 Introduction to Environmental Policy  
GEOG 204-3 GIS for the Social Sciences Introduction to GIS  
~~or GEOG 300-3 Geographic Information Systems~~  
PHIL 202-3 Comparative Religion  
or FNST 303-3 First Nations Religion and Philosophy

6. **Authorization:**

**Program / Academic / Administrative Unit:** ESM

**College:** CSAM

**SCCC Reviewed:** March 27, 2020

**College Council Motion Number:** CSAMCC 2020: 03:12:56

**College Council Approval Date:** March 12, 2020

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:** not applicable

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** not applicable

**7. Other Information**

**Attachment Pages:**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED MOTION**

**Motion:** That the change(s) to the English Requirements on pg. 30 of the 2019-2020 Undergraduate Calendar be approved as proposed.

**Effective Date:** April 22, 2020

**Rationale:**

Due to the current pandemic and the resultant social distancing, normal testing options for English Language proficiency have been curtailed. Many institutions across Canada have moved to using the online test provider DuoLingo. This is a comparable alternate solution for the current situation. The website covers the score comparisons to our standard tests. Test scores will be sent to us directly from the tester, DuoLingo.

**Motion proposed by:** Bert Annear, Registrar and Secretary to Senate

The Registrar's office proposes a motion to pilot using the DuoLingo test score results in addition to our existing English Language proficiency requirements until such time that the pandemic allows full return to service for the other test providers. We will expect applicants to have achieved a minimum test score of 105.

**Academic Program:**

**Implications for Other Programs / Faculties?** All

**College:** All

**College Council / Committee Motion Number:**

**College Council / Committee Approval Date:**

**Attachment Pages (if applicable):**   0   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAAF

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAAF:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to**   ✓  , **or information of** \_\_\_\_\_ **Senate.**





Motion Number (assigned by SCS): \_\_\_\_\_

**SENATE COMMITTEE ON ACADEMIC AFFAIRS**

**PROPOSED MOTION**

**Motion:** That, on the recommendation of the Senate Committee on Academic Affairs, the SCAAF Research Ethics Board (REB) be removed as a subcommittee of SCAAF and from the Senate Handbook.

**Effective Date:** Upon the approval of Senate

**Proposed by:** The Office of Research

**Faculty / Academic Department:**

**Implications for Other Programs / Faculties:** None

**Rationale:** The mandate of the Research Ethics Board is not reflected in the Senate Committee on Academic Affairs Terms of Reference. The REB is not an academic role within an institution, but a requirement of an institution that wishes to hold Tri-Council Funding. The REB is charged with ensuring the research conducted under the auspice of the institution complies with the TCPS.

The VP, Research will convey information from this committee to Senate as appropriate. The REB will submit an annual report to the President’s Executive Council in February for the activities of the previous calendar year (January through December),

**TO BE COMPLETED AFTER SCAAF MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:**

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Attachments: 0**

**Approved by SCRPIIR:** \_\_\_\_\_  
Date

\_\_\_\_\_  
Chair’s Signature

**For recommendation to ✓, or information of \_\_\_\_\_ Senate.**

## SENATE COMMITTEE ON ACADEMIC AFFAIRS (SCAAF)

### Terms of Reference:

- To be responsible for advising Senate on academic planning at UNBC.
- To consider and make recommendations to Senate on new undergraduate and graduate programs and major modifications to existing undergraduate and graduate programs.
- To consider and make recommendations to Senate on course additions or deletions.
- To consider and make recommendations to Senate on new and revised Undergraduate and Graduate Academic Regulations.
- To review periodically the activities of the Centre for Teaching and Learning and make recommendations on the Centre to Senate and to address any other Senate related teaching matter.
- To be responsible for the development and implementation of a program review process, and to make recommendations to Senate relating to the outcome of reviews.
- To review, for approval or recommendation as appropriate, affiliation agreements with other institutions.
- To review and make recommendations to Senate on existing undergraduate and graduate programs for purposes of assessment and possible expansion, curtailment, or discontinuance.
- To recommend to Senate graduate courses which are cross-listed with undergraduate courses.
- To advise on enrolment management issues.
- To consider and advise Senate on matters relating to the internationalization of the University community.
- To facilitate the development of academic agreements between UNBC and various international partners.
- To review and advise Senate on current international agreements and exchanges and make recommendations regarding their renewal.
- To approve, in exceptional and extraordinary circumstances, external international proposals; and to report to Senate as soon as practicable such approvals and the justification for them.
- To review from time to time the operation of the Library, for report to Senate.
- To establish policies regarding the conservation of heritage objects and collections that are owned by or in the possession of the university or any of its faculties, divisions, departments or other agencies.
- To advise Senate on all matters concerning undergraduate and graduate research and research policy at the University
- To recommend to Senate the establishment of Research Chairs

### Membership:

President (*ex officio*)

Provost (Chair)

Vice President, Research (Vice Chair)

University Librarian

Dean, College of Arts, Social and Health Sciences

Dean, College of Science and Management

Dean, Regional Programs

Four Faculty Senators

Four Faculty Members (all who may be Senators), including:

- a) Faculty Member — CASHS
- b) Faculty Member — CSAM
- c) Faculty Member — Regional
- d) Faculty Member — Professional Program

Four Students (all who may be Senators), including:

- a) Graduate Student — CASHS
- b) Graduate Student — CSAM
- c) Undergraduate Student — CASHS
- d) Undergraduate Student — CSAM

One Lay Senator

One Regional Senator

Director, Business Services and Continuing Studies

Director, International Education

Vice Provost Student Recruitment

Secretary of Senate (non-voting)

<b>Chair:</b>	Provost
<b>Committee and Recording Secretary:</b>	Governance Officer
<b>Quorum:</b>	Majority, including at least one undergraduate student and one graduate student
<b>Reporting Month:</b>	September
<b>Sub-Committees:</b>	SCAAF Art Acquisition Subcommittee <del>SCAAF Research Ethics Board</del> SCAAF Subcommittee on Academic Scheduling SCAAF Subcommittee on Animal Care and Use SCAAF Subcommittee on Curriculum and Calendar Biohazards Committee

## **SCAAF RESEARCH ETHICS BOARD (REB)**

### **The mandate of the Research Ethics Board is:**

- To consider, review and monitor the physical and psychological risks to the well-being of humans who are to participate in or be the subjects of research.
- To review and monitor, when appropriate, all research involving human participants carried out by researchers of the University to determine if such research conforms to the ethical standards required by the appropriate granting agency.
- To develop and oversee the implementation of policies pertaining to research involving humans.
- To implement a program to inform and educate researchers in various aspects of research ethics.

### **Membership:**

At least five members selected in consultation with the Chair of the Committee, including both men and women, of whom:

- a) At least one member is knowledgeable in ethics;
- b) At least two members have broad expertise in the methods or in the areas of research that are covered by the Research Ethics Board;
- c) At least one community member with no affiliation with the institution;
- d) Four faculty members, all of whom are active in research with human participants.

### **Other members that may serve on the REB include:**

- a) Ad hoc members appointed by the Vice President, Research and Graduate Programs in consultation with the REB and the Chair for special purpose reviews;
- b) Alternate members appointed by the Vice President, Research and Graduate Programs in consultation with the REB and the Chair to serve as replacements for regular members when they are unable to attend;
- c) For biomedical research or other research involving special legal risks, at least one member knowledgeable in the relevant law.

**Chair:** \_\_\_\_\_ One of the four faculty members of the Committee, selected by and from the members of the Committee (for a three-year term)

**Committee and Recording Secretary:** \_\_\_\_\_ Administrative Assistant to the Vice President, Research and Graduate Programs

**Quorum:** \_\_\_\_\_ Majority

Motion Number (assigned by  
Steering Committee of Senate): S-202004.102

**STEERING COMMITTEE OF SENATE**

**PROPOSED MOTION**

**Motion:** That the membership of the Senate Committee on Academic Affairs and subsequently the Senate Handbook be approved as proposed in principle.

**Effective Date:** Upon the Approval of Senate (not to take effect until the five-faculty structure is in place and all revisions are made to the Senate Handbook)

**Rationale:** That under our new five faculty structure the membership of Senate is changed in accordance with Part 7, Section 35 of the *University Act*.

**Motion proposed by:** Office of the University Secretary

**Academic Program:** Not applicable

**Implications for Other Programs / Faculties?** None

**College:** Not applicable

**College Council / Committee Motion Number:** N/A

**College Council / Committee Approval Date:** N/A

**Attachment Pages (if applicable):**  1  pages

**INFORMATION TO BE COMPLETED AFTER STEERING COMMITTEE OF SENATE MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:**

**Moved by:** K. Hirsh-Pearson

**Seconded by:** H. Holler-Busch

**Committee Decision:** CARRIED

**Approved by SCS:** April 15, 2020  
**Date**

  
**Chair's Signature**

**For recommendation to**  ✓ , **or information of**   **Senate.**

## SENATE COMMITTEE ON ACADEMIC AFFAIRS (SCAAF)

### Terms of Reference:

- To be responsible for advising Senate on academic planning at UNBC.
- To consider and make recommendations to Senate on new undergraduate and graduate programs and major modifications to existing undergraduate and graduate programs.
- To consider and make recommendations to Senate on course additions or deletions.
- To consider and make recommendations to Senate on new and revised Undergraduate and Graduate Academic Regulations.
- To review periodically the activities of the Centre for Teaching and Learning and make recommendations on the Centre to Senate and to address any other Senate related teaching matter.
- To be responsible for the development and implementation of a program review process, and to make recommendations to Senate relating to the outcome of reviews.
- To review, for approval or recommendation as appropriate, affiliation agreements with other institutions.
- To review and make recommendations to Senate on existing undergraduate and graduate programs for purposes of assessment and possible expansion, curtailment, or discontinuance.
- To recommend to Senate graduate courses which are cross-listed with undergraduate courses.
- To advise on enrolment management issues.
- To consider and advise Senate on matters relating to the internationalization of the University community.
- To facilitate the development of academic agreements between UNBC and various international partners.
- To review and advise Senate on current international agreements and exchanges and make recommendations regarding their renewal.
- To approve, in exceptional and extraordinary circumstances, external international proposals; and to report to Senate as soon as practicable such approvals and the justification for them.
- To review from time to time the operation of the Library, for report to Senate.
- To establish policies regarding the conservation of heritage objects and collections that are owned by or in the possession of the university or any of its faculties, divisions, departments or other agencies.
- To advise Senate on all matters concerning undergraduate and graduate research and research policy at the University
- To recommend to Senate the establishment of Research Chairs

### Membership:

President (*ex officio*)

Provost (Chair)

Vice President, Research (Vice Chair)

University Librarian

~~Dean, College of Arts, Social and Health Sciences~~

~~Dean, College of Science and Management~~

~~Dean, Regional Programs~~

Five Deans of the Faculties

Four Faculty Senators

Four Faculty Members (all who may be Senators), including:

- a) Faculty Member — ~~CASHS~~
- b) Faculty Member — ~~CSAM~~
- c) Faculty Member — Regional
- d) Faculty Member — Professional Program

Four Students (all who may be Senators), including:

- a) Graduate Student — ~~CASHS~~
- b) Graduate Student — ~~CSAM~~
- c) Undergraduate Student — ~~CASHS~~
- d) Undergraduate Student — ~~CSAM~~

One Lay Senator

~~One Regional Senator~~

Director, Business Services and Continuing Studies

Director, International Education

Director, Centre for Teaching Learning and Technology

Vice Provost

Secretary of Senate (non-voting)

<b>Chair:</b>	Provost
<b>Committee and Recording Secretary:</b>	Governance Officer
<b>Quorum:</b>	Majority, including at least one undergraduate student and one graduate student
<b>Reporting Month:</b>	September
<b>Sub-Committees:</b>	SCAAF Art Acquisition Subcommittee <del>SCAAF Research Ethics Board</del> SCAAF Subcommittee on Academic Scheduling SCAAF Subcommittee on Animal Care and Use Biohazards Committee

Motion Number (assigned by  
Steering Committee of Senate): S-202004.103

**STEERING COMMITTEE OF SENATE**

**PROPOSED MOTION**

**Motion:** That the membership of the Senate Committee on Admissions and Degrees and subsequently the Senate Handbook be approved as proposed in principle.

**Effective Date:** Upon the Approval of Senate (not to take effect until the five-faculty structure is in place and all revisions are made to the Senate Handbook)

**Rationale:** That under our new five faculty structure the membership of Senate is changed in accordance with Part 7, Section 35 of the *University Act*.

**Motion proposed by:** Office of the University Secretary

**Academic Program:** Not applicable

**Implications for Other Programs / Faculties?** None

**College:** Not applicable

**College Council / Committee Motion Number:** N/A

**College Council / Committee Approval Date:** N/A

**Attachment Pages (if applicable):**  1  pages

**INFORMATION TO BE COMPLETED AFTER STEERING COMMITTEE OF SENATE MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:**

**Moved by:** K. Hirsh-Pearson

**Seconded by:** M. Mandy

**Committee Decision:** CARRIED

**Approved by SCS:** April 15, 2020  
**Date**

  
**Chair's Signature**

**For recommendation to**  ✓ , **or information of** \_\_\_\_\_ **Senate.**



## SENATE COMMITTEE ON ADMISSIONS AND DEGREES (SCAD)

### Terms of Reference:

- To consider and review admission and admission standards to the University and to programs of study, in consultation with the academic community as appropriate, and to make recommendations to Senate.
- To examine and rule upon applications for articulation, transfer credit and admission which is not clearly resolvable under existing University policies and/or regulations.
- To receive, in advance of each convocation, recommendations for the conferral of degrees, diplomas and certificates; for recommendation to Senate.
- Upon request by the applicant, to reconsider admission or readmission cases as appropriate.

### Membership:

President (*ex officio*) only when meeting as the Degree Committee

Vice Provost

Four Faculty Members, including:

a) ~~at least one from each College \*~~

~~\* a faculty member from a college may also be a faculty Senator~~

b) at least one from a professional program

Two persons appointed by the Registrar

Two Students, including:

a) a graduate student

b) an undergraduate student

Secretary of Senate (non-voting)

When meeting as the Degree Committee, added to the membership are: The President, ~~College~~ Faculty Deans, and Vice President, Research.

When meeting as the Degree Committee, added to the membership are: The President, College Deans, and Vice President, Research.

**Chair:** Elected in October by and from the membership.

**Committee Secretary:** One of the "Two persons appointed by the Registrar," to be determined by the Committee members

**Recording Secretary:** Governance Officer

**Quorum:** Majority, including at least one student and two faculty members and, when meeting as the Degree Committee, the Deans or acting Deans

**Reporting Month:** September

Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ADMISSIONS AND DEGREES**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the change to add January as an intake date for the Master of Education Multidisciplinary Leadership Specialization on page 21 in the PDF calendar accessible on the UNBC web page of the 2019-2020 graduate calendar be approved as proposed.

1. **Effective date:** January 2020

2. **Rationale for the proposed revisions:** A growing number of international students apply and receive acceptance into the Master of Education – Multidisciplinary Leadership Specialization. The international students require the UNBC acceptance letter from the Office of the Registrar as part of the Visa Office’s process. In most cases, the visa process takes longer than the September intake date. International students have more time to secure a visa to travel to Canada given the option of a January intake date.

3. **Implications of the changes for other programs, etc., if applicable:** None

4. **Reproduction of current Calendar entry for the item to be revised:**

**Application for Admission Deadline\* Dates**

Refer to [www.unbc.ca/apply/graduate](http://www.unbc.ca/apply/graduate) for updates or changes

Application Deadline According to Preferred Semester of Entry

Certificate (Alphabetical by subject)	September	January	May
Aboriginal Child Youth and Mental Health	December 15	May 1	December 15
Degree (Alphabetical by subject)	September	January	May
Business Administration (MBA)	December 15	no intake	no intake
Business Administration (MScBA)	December 15	no intake	no intake
Development Economics (MA)	December 15	May 1	no intake
Disability Management (MA)	December 15	no intake	no intake
Education (MEd – Counselling Specialization)	December 15	no intake	no intake
Education (MEd – Multidisciplinary Leadership Specialization)	December 15**	no intake	December 15**
Education (MEd – Special Education Specialization)	December 15	no intake	no intake
English (MA)	December 15	no intake	no intake
First Nations Studies (MA)	December 15	no intake	no intake
Gender Studies (MA)	December 15	May 1	no intake
Health Sciences (MSc)	December 15	no intake	no intake
Health Sciences (PhD)	December 15	no intake	no intake
History (MA)	December 15	September 15	no intake
Integrated Wood Design (MEng)	no intake	Ongoing	no intake
Interdisciplinary Studies (MA and MSc)	December 15**	May 1	December 15**
International Studies (MA)	December 15	May 1	no intake
Mathematical, Computer, Physical, & Molecular Sciences (MSc)	December 15	May 1	no intake

Natural Resources and Environmental Studies (MA)	December 15**	May 1	December 15**
Natural Resources and Environmental Studies (MNRES)	December 15**	May 1	December 15**
Natural Resources and Environmental Studies (MSc)	December 15**	May 1	December 15**
Natural Resources and Environmental Studies (PhD)	December 15**	May 1	December 15**
Nursing (MScN)	December 15	May 1	no intake
Nursing (MScN(FNP))	December 15	no intake	no intake
Political Science (MA)	December 15	May 1	no intake
Psychology (MSc)	December 15	no intake	no intake
Psychology (PhD)	December 15	no intake	no intake
Social Work (MSW)	December 15	no intake	no intake

\*Applications for admission should be submitted as early as possible to the Office of the Registrar. Incomplete applications and applications received after the deadlines will be considered late and may not be processed in time to permit admission.

\*\*Applications for admission are accepted for one semester only. Applicants must indicate whether they are applying to the May or September Semester.

**5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

**Application for Admission Deadline\* Dates**

Refer to [www.unbc.ca/apply/graduate](http://www.unbc.ca/apply/graduate) for updates or changes

Application Deadline According to Preferred Semester of Entry

Certificate (Alphabetical by subject)	September	January	May
Aboriginal Child Youth and Mental Health	December 15	May 1	December 15
Degree (Alphabetical by subject)	September	January	May
Business Administration (MBA)	December 15	no intake	no intake
Business Administration (MScBA)	December 15	no intake	no intake
Development Economics (MA)	December 15	May 1	no intake
Disability Management (MA)	December 15	no intake	no intake
Education (MEd – Counselling Specialization)	December 15	no intake	no intake
Education (MEd – Multidisciplinary Leadership Specialization)	December 15**	<del>no intake</del> <u>December 15**</u>	December 15**
Education (MEd – Special Education Specialization)	December 15	no intake	no intake
English (MA)	December 15	no intake	no intake
First Nations Studies (MA)	December 15	no intake	no intake
Gender Studies (MA)	December 15	May 1	no intake
Health Sciences (MSc)	December 15	no intake	no intake
Health Sciences (PhD)	December 15	no intake	no intake
History (MA)	December 15	September 15	no intake
Integrated Wood Design (MEng)	no intake	Ongoing	no intake
Interdisciplinary Studies (MA and MSc)	December 15**	May 1	December 15**
International Studies (MA)	December 15	May 1	no intake
Mathematical, Computer, Physical, & Molecular Sciences (MSc)	December 15	May 1	no intake
Natural Resources and Environmental Studies (MA)	December 15**	May 1	December 15**
Natural Resources and Environmental Studies (MNRES)	December 15**	May 1	December 15**
Natural Resources and Environmental Studies (MSc)	December 15**	May 1	December 15**
Natural Resources and Environmental Studies (PhD)	December 15**	May 1	December 15**
Nursing (MScN)	December 15	May 1	no intake
Nursing (MScN(FNP))	December 15	no intake	no intake
Political Science (MA)	December 15	May 1	no intake
Psychology (MSc)	December 15	no intake	no intake
Psychology (PhD)	December 15	no intake	no intake
Social Work (MSW)	December 15	no intake	no intake

\*Applications for admission should be submitted as early as possible to the Office of the Registrar. Incomplete applications and applications received after the deadlines will be considered late and may not be processed in time to permit admission.



Motion Number (assigned by  
Steering Committee of Senate): \_\_\_\_\_

**SENATE COMMITTEE ON ADMISSIONS AND DEGREES**

**PROPOSED REVISION OF CALENDAR ENTRY**

**Motion:** That the change(s) to the undergraduate admissions requirements by degree group on pages 21 and 22 of the 2019-2020 Undergraduate Academic Calendar be adjusted to allow direct to program admission be approved as proposed.

1. **Effective date:** September 2020 intake.

2. **Rationale for the proposed revisions:**

A proposal to clearly set out the necessary prerequisite courses for program completion based on the requirements of each separate program.

Setting specific academic requirements for each program and admitting students directly into their program of choice provides better transparency and properly informs prospective students of the academic requirements required to complete their degree program without upgrading/extra courses.

3. **Implications of the changes for other programs, etc., if applicable:**

Yes – early notice of student demand with potential for better course planning and scheduling to meet demands.

4. **Reproduction of current Calendar entry for the item to be revised:**

# Admission Requirements by Degree Groups

Bachelor of Arts	Bachelor of Fine Arts <i>see program regulations</i>	Bachelor of Commerce	Bachelor of Planning & Bachelor of Science
English 12 or English First Peoples 12**	English 12 or English First Peoples 12**	English 12 or English First Peoples 12**	English 12 or English First Peoples 12**
Portfolio			
Three Approved Grade 12 Courses*	Three Approved Grade 12 Courses*	Three Approved Grade 12 Courses*  Pre-Calculus 12 recommended for prerequisite purposes	Three Approved Grade 12 Courses*  Pre-Calculus 12 recommended for prerequisite purposes
A fifth Grade 12 course***	A fifth Grade 12 course***	A fifth Grade 12 course***	A fifth Grade 12 course***
Minimum admission average 65%	Minimum admission average 67%	Minimum admission average 65%	Minimum admission average 65%

\* Approved Grade 12 Courses: Applications of Mathematics, BC First Nations Studies, Biology, Business/Hospitality Management, Calculus, Chemistry, Comparative Civilizations, Economics, English Literature, Français, Français Langue Seconde-Immersion, French, German, Geography, Geology, History, Japanese, Latin, Law, Mandarin, Math Foundations, Middle Earth 12, Physics, Pre-Calculus, Principles of Mathematics, Punjabi, Social Justice, Spanish, Sustainable Resources, Technical and Professional Communications, Writing. Approved Advanced Placement Courses: AP Biology (General), AP Calculus AB or BC, AP Chemistry, AP Computer Science A or AB, AP English, AP Environmental Science, AP European History, AP French, AP German, AP History of Art, AP Human Geography, AP Latin, AP Microeconomics/Macroeconomics, AP Music Theory, AP Physics B and/or Physics C, AP Psychology, AP Spanish Literature, AP Spanish Language, AP Statistics, AP United States History, AP US Government & Politics, AP World History. Approved International Baccalaureate Courses: IB Biology, IB Business Management, IB Chemistry, IB Computer Science, IB Economics, IB English Language A, IB Environmental Systems, IB French Language A and/or French Language B, IB Geography, IB German, IB Greek, IB History, IB History-Asian, IB History-European, IB Latin, IB History and Culture of the Islamic World, IB Mathematics, IB Further Mathematics, IB Music, IB Philosophy, IB Physics, IB Psychology, IB Social & Cultural Anthropology, IB Spanish A and/or Spanish B.

\*\* Approved AP and IB (all standard level and higher level) courses can be used in place of any approved Grade 12 Canadian high school course.

\*\*\* A fifth Grade 12 Course: Any other of the approved Grade 12 courses, and also any Grade 12 course taught in the secondary school including locally-developed courses (e.g. First Nations Languages), career preparation courses (Construction 12, etc.), or others (Art 12, Band 12, Information Technology 12, Communications 12, CAPP 12, etc.), or any Advanced Placement or International Baccalaureate courses.

\*\*\*\* Nursing: UNBC's partner institutions, the College of New Caledonia (CNC) and Coast Mountain College (CMNT) are processing admissions to the Northern Collaborative Baccalaureate Nursing Program. If you wish to apply to our Prince George or Quesnel campuses, please apply through CNC: [www.cnc.bc.ca](http://www.cnc.bc.ca); if you wish to apply to our Terrace campus, please apply through CMNT at [www.coastmountaincollege.ca](http://www.coastmountaincollege.ca)

† Students interested in pursuing the BSc Biomedical Studies Major are strongly encouraged to take Pre-Calculus 12 or Principles of Mathematics 12, and Chemistry 12 before entering the Program.

Admission Average: For all provinces the best grade for each required course will be used (either the course mark or the course mark blended with the provincial exam).

*Note: Table excludes entry to upper division (Social Work) or post-baccalaureate (Education) professional programs.*

Nursing**** <i>see program regulations</i>	Bachelor of Health Sciences <i>see program regulations</i>	Environmental Engineering <i>see program regulations</i>
English 12 or English First Peoples 12 (70% minimum)**	English 12 or English First Peoples 12** (70% minimum)	English 12 or English First Peoples 12**
Foundations of Mathematics 11 or Pre-calculus 11 or Principles of Mathematics 11 (67% minimum) Chemistry 11 or equivalent (67% minimum)	Pre-calculus 11 or Principles of Mathematics 11 (70% minimum) Chemistry 11 or equivalent (70% minimum)	Principles of Mathematics 12 or Pre-Calculus 12
Biology 12 (73% minimum) within 5 years prior to the semester of admission to the NCBNP	Biology 12 (70% minimum) Two other approved* Grade 12 courses	Two provincially examinable Science 12 courses: Chemistry 12 Physics 12 (recommended)
Two other approved* Grade 12 courses	Biomedical Studies † <i>see program regulations</i>	Chemistry 11 <i>see program regulations</i>
	Pre-Calculus 12 recommended for prerequisite purposes	
A fifth Grade 12 course***	A fifth Grade 12 course***	A fifth Grade 12 course***
Minimum admission average 67%	Minimum admission average 70%	Minimum admission average 75%

\* Approved Grade 12 Courses: Applications of Mathematics, BC First Nations Studies, Biology, Calculus, Chemistry, Comparative Civilizations, Economics, English Literature, Français, Français Langue Seconde-Immersion, French, German, Geography, Geology, History, Japanese, Latin, Law, Mandarin, Math Foundations, Middle Earth 12, Physics, Pre-Calculus, Principles of Mathematics, Punjabi, Social Justice, Spanish, Sustainable Resources, Technical and Professional Communications, Writing. Approved Advanced Placement Courses: AP Biology (General), AP Calculus AB or BC, AP Chemistry, AP Computer Science A or AB, AP English, AP Environmental Science, AP European History, AP French, AP German, AP History of Art, AP Human Geography, AP Latin, AP Microeconomics/Macroeconomics, AP Music Theory, AP Physics B and/or Physics C, AP Psychology, AP Spanish Literature, AP Spanish Language, AP Statistics, AP United States History, AP US Government & Politics, AP World History. Approved International Baccalaureate Courses: IB Biology, IB Business Management, IB Chemistry, IB Computer Science, IB Economics, IB English Language A, IB Environmental Systems, IB French Language A and/or French Language B, IB Geography, IB German, IB Greek, IB History, IB History - Asian, IB History - European, IB Latin, IB History and Culture of the Islamic World, IB Mathematics, IB Further Mathematics, IB Music, IB Philosophy, IB Physics, IB Psychology, IB Social & Cultural Anthropology, IB Spanish A and/or Spanish B.

\*\* Approved AP and IB (all standard level and higher level) courses can be used in place of any approved Grade 12 Canadian high school course.

\*\*\* A fifth Grade 12 Course: Any other of the approved Grade 12 courses, and also any Grade 12 course taught in the secondary school including locally-developed courses (e.g. First Nations Languages), career preparation courses (Construction 12, etc.), or others (Art 12, Band 12, Information Technology 12, Communications 12, CAPP 12, etc.), or any Advanced Placement or International Baccalaureate courses.

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† Students interested in pursuing the BHSc Biomedical Studies Major are strongly encouraged to take Pre-Calculus 12 or Principles of Mathematics 12, and Chemistry 12 before entering the Program.

Admission Average: For all provinces the best grade for each required course will be used (either the course mark or the course mark blended with the provincial exam).

*Note: Table excludes entry to upper division (Social Work) or post-baccalaureate (Education) professional programs.*

**5. Proposed revision with changes underlined and deletions indicated clearly using “~~strikethrough~~”:**

## Admission Requirements by Degree Groups

Bachelor of Arts	Bachelor of Fine Arts <i>see program regulations</i>	Bachelor of Commerce	Bachelor of Planning & Bachelor of Science
English 12 or English First Peoples 12**	English 12 or English First Peoples 12**	English 12 or English First Peoples 12**	English 12 or English First Peoples 12**
	Portfolio		
Three Approved Grade 12 Courses†	Three Approved Grade 12 Courses†	Three Approved Grade 12 Courses*  Pre-Calculus 12 recommended for prerequisite purposes	Three Approved Grade 12 Courses*  Pre-Calculus 12 recommended for prerequisite purposes
A fifth Grade 12 course***	A fifth Grade 12 course***	A fifth Grade 12 course***	A fifth Grade 12 course***
Minimum admission average 65%	Minimum admission average 67%	Minimum admission average 65%	Minimum admission average 65%

\* — Approved Grade 12 Courses: Applications of Mathematics, BC First Nations Studies, Biology, Business/Hospitality Management, Calculus, Chemistry, Comparative Civilizations, Economics, English Literature, Français, Français Langue Seconde Immersion, French, German, Geography, Geology, History, Japanese, Latin, Law, Mandarin, Math Foundations, Middle Earth 12, Physics, Pre-Calculus, Principles of Mathematics, Punjabi, Social Justice, Spanish, Sustainable Resources, Technical and Professional Communications, Writing. Approved Advanced Placement Courses: AP Biology (General), AP Calculus AB or BC, AP Chemistry, AP Computer Science A or AB, AP English, AP Environmental Science, AP European History, AP French, AP German, AP History of Art, AP Human Geography, AP Latin, AP Microeconomics/Macroeconomics, AP Music Theory, AP Physics B and/or Physics C, AP Psychology, AP Spanish Literature, AP Spanish Language, AP Statistics, AP United States History, AP US Government & Politics, AP World History. Approved International Baccalaureate Courses: IB Biology, IB Business Management, IB Chemistry, IB Computer Science, IB Economics, IB English Language A, IB Environmental Systems, IB French Language A and/or French Language B, IB Geography, IB German, IB Greek, IB History, IB History – Asian, IB History – European, IB Latin, IB History and Culture of the Islamic World, IB Mathematics, IB Further Mathematics, IB Music, IB Philosophy, IB Physics, IB Psychology, IB Social & Cultural Anthropology, IB Spanish A and/or Spanish B.

\*\* — Approved AP and IB (all standard level and higher level) courses can be used in place of any approved Grade 12 Canadian high school course.

\*\*\* A fifth Grade 12 Course: Any other of the approved Grade 12 courses, and also any Grade 12 course taught in the secondary school including locally developed courses (e.g. First Nations Languages), career preparation courses (Construction 12, etc.) or others (Art 12, Band 12, Information Technology 12, Communications 12, CAPP 12, etc.), or any Advanced Placement or International Baccalaureate courses.

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† — Students interested in pursuing the BHSc Biomedical Studies Major are strongly encouraged to take Pre-Calculus 12 or Principles of Mathematics 12, and Chemistry 12 before entering the Program.

Admission Average: For all provinces the best grade for each required course will be used (either the course mark or the course mark blended with the provincial exam).

*Note: Table excludes entry to upper division (Social Work) or post-baccalaureate (Education) professional program*



Nursing*** <i>see program regulations</i>	Bachelor of Health Sciences <i>see program regulations</i>	Environmental Engineering <i>see program regulations</i>
English 12 or English First Peoples 12 (70% minimum)**	English 12 or English First Peoples 12** (70% minimum)	English 12 or English First Peoples 12**
Foundations of Mathematics 11 or Pre-calculus 11 or Principles of Mathematics 11 (67% minimum) Chemistry 11 or equivalent (67% minimum)	Pre-calculus 11 or Principles of Mathematics 11 (70% minimum) Chemistry 11 or equivalent (70% minimum)	Principles of Mathematics 12 or Pre-Calculus 12
Biology 12 (73% minimum) within 5 years prior to the semester of admission to the NCBNP  Two other approved* Grade 12 courses	Biology 12 (70% minimum) Two other approved* Grade 12 courses  Biomedical Studies † <i>see program regulations</i>  Pre-Calculus 12 recommended for prerequisite purposes	Two provincially examinable Science 12 courses: Chemistry 12 Physics 12 (recommended)  Chemistry 11 <i>see program regulations</i>
A fifth Grade 12 course***	A fifth Grade 12 course***	A fifth Grade 12 course***
Minimum admission average 67%	Minimum admission average 70%	Minimum admission average 75%

\* Approved Grade 12 Courses: Applications of Mathematics, BC First Nations Studies, Biology, Calculus, Chemistry, Comparative Civilizations, Economics, English Literature, Français, Français Langue Seconde Immersion, French, German, Geography, Geology, History, Japanese, Latin, Law, Mandarin, Math Foundations, Middle Earth 12, Physics, Pre-Calculus, Principles of Mathematics, Punjabi, Social Justice, Spanish, Sustainable Resources, Technical and Professional Communications, Writing. Approved Advanced Placement Courses: AP Biology (General), AP Calculus AB or BC, AP Chemistry, AP Computer Science A or AB, AP English, AP Environmental Science, AP European History, AP French, AP German, AP History of Art, AP Human Geography, AP Latin, AP Microeconomics/Macroeconomics, AP Music Theory, AP Physics B and/or Physics C, AP Psychology, AP Spanish Literature, AP Spanish Language, AP Statistics, AP United States History, AP US Government & Politics, AP World History. Approved International Baccalaureate Courses: IB Biology, IB Business Management, IB Chemistry, IB Computer Science, IB Economics, IB English Language A, IB Environmental Systems, IB French Language A and/or French Language B, IB Geography, IB German, IB Greek, IB History, IB History Asian, IB History European, IB Latin, IB History and Culture of the Islamic World, IB Mathematics, IB Further Mathematics, IB Music, IB Philosophy, IB Physics, IB Psychology, IB Social & Cultural Anthropology, IB Spanish A and/or Spanish B.

\*\* Approved AP and IB (all standard level and higher level) courses can be used in place of any approved Grade 12 Canadian high school course.

\*\*\* A fifth Grade 12 Course: Any other of the approved Grade 12 courses, and also any Grade 12 course taught in the secondary school including locally developed courses (e.g. First Nations Languages), career preparation courses (Construction 12, etc.), or others (Art 12, Band 12, Information Technology 12, Communications 12, CAPP 12, etc.), or any Advanced Placement or International Baccalaureate courses.

\*\*\*\* Nursing: UNBC's partner institutions, the College of New Caledonia (CNC) and Coast Mountain College (CMNT) are processing admissions to the Northern Collaborative Baccalaureate Nursing Program. If you wish to apply to our Prince George or Quesnel campuses, please apply through CNC: [www.cnc.bc.ca](http://www.cnc.bc.ca); if you wish to apply to our Terrace campus, please apply through CMNT at [www.coastmountaincollege.ca](http://www.coastmountaincollege.ca)

† Students interested in pursuing the BSc Biomedical Studies Major are strongly encouraged to take Pre-Calculus 12 or Principles of Mathematics 12, and Chemistry 12 before entering the Program.

Admission Average: For all provinces the best grade for each required course will be used (either the course mark or the course mark blended with the provincial exam).

*Note: Table excludes entry to upper division (Social Work) or post-baccalaureate (Education) professional programs.*

High School admission average is based on a calculation of the average grade of five required grade 12 courses.

<u>Pro</u> <u>gra</u> <u>m</u>	<u>Major</u>	<b>Five Grade 12 Courses Required For Admission</b>					<u>Other</u> <u>requirement</u> <u>s</u>
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	
Arts 65 % Avg	Anthropology	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Economics	English Studies 12 or English First Peoples 12	Pre-calculus 12 67%	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	English	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Environmental & Sustainability Studies	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	First Nations Studies	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	General Arts	English Studies 12 or	Approved Academic	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth C	

	English First Peoples 12	mic Grade 12 Course			ou r s e	
Geography (BA)	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	
Global & International Studies	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	
History	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	
Nature-Based Tourism Management	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	
Northern Studies	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	
Political Science	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	

	Public Administration & Community Development	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Women's Studies	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
Comm erc e 65 % Avg	Accounting	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Finance	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	General Commerce	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Human Resource Management	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	International Business	English Studies 12 or	Pre-calculus 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	

		English First Peoples 12	(67%)			ou r s e	
	Management Information Systems	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	
	Marketing	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	
Sci enc e 65 % Avg	Biochemistry & Molecular Biology	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	Life Sciences 11 or Anatomy & Physiology 12; Physics 11
	Biology	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	Life Sciences 11 or Anatomy & Physiology 12
	Chemistry	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	Life Sciences 11 or Anatomy & Physiology 12; Physics 11
	Computer Science	English Studies 12 or English First	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s	

	Peoples 12				e	
Conservation Science & Practice	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12
Environmental Science	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12; Physics 11
Forest Ecology & Management	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12
Geography (BSc)	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12; Physics 11
Integrated Science	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12; Physics 11
Mathematics	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
Physics	English Studies 12 or	Pre-calculus 12	Physics 12 or Applied Physics 12	Approved Academic Grade 12 Course	Fifth Course	

		English First Peoples 12	(67%)			ou r s e	
	Psychology	English Studies 12 or English First Peoples 12	Approved Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	
	Wildlife & Fisheries	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	Life Sciences 11 or Anatomy & Physiology 12
Pl a n n i n g 65 % A v g	Northern and Rural Community Planning	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	
	First Nations Planning	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	
	Natural Resources Planning	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C o u r s e	
App l i e d S c i	UNBC/UBC Joint Environmen	English Studies 12 or	Pre-calculus 12	Anatomy & Physiology 12 or Chemistry	Anatomy & Physiology 12 or Chemistry 12	Fif th C	Physics 12 or Applied Physics 12;



ence	tal Engineering	English First Peoples 12		12 Physics 12 or Applied Physics 12	or Physics 12 or Applied Physics 12	ou rse	Chemistry 11
	Civil Engineering	English Studies 12 or English First Peoples 12	Pre-calculus 12	Physics 12 or Applied Physics 12	Approved Academic Grade 12 Course	Fif th C ou rse	Chemistry 11
	Environmental Engineering	English Studies 12 or English First Peoples 12	Pre-calculus 12	Physics 12 or Applied Physics 12	Approved Academic Grade 12 Course	Fif th C ou rse	Life Sciences 11 or Anatomy & Physiology 12; Chemistry 11
Health Science	Biomedical Studies	English Studies 12 or English First Peoples 12	Anatomy & Physiology 12 (70%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C ou rse	Pre-calculus 11 or Principles of Math 11; Chemistry 11 (70%)
	Community & Population Health: Aboriginal and Rural Health	English Studies 12 or English First Peoples 12	Anatomy & Physiology 12 (70%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fif th C ou rse	Chemistry 11 (70%) and Pre-calculus 11
	Community & Population Health: Environmental Health	English Studies 12 or English First Peoples 12	Approved Grade 12 Course	Anatomy & Physiology 12 (70%)	Approved Academic Grade 12 Course	Fif th C ou rse	Chemistry 11 (70%) and Pre-calculus 11

**NOTES:**

**Academic course** may be selected from approved Academic course list.

**Fifth course** may be approved Academic or Non Academic course. See admissions listing.

**Other requirements** are necessary for certain listed programs in addition to admission requirements.

Nursing	Northern Collaborative Baccalaureate (NCBNP)* 70% avg	English Studies 12 or English First Peoples 12 (70%)	Anatomy & Physiology 12 (73% within 5 years prior to admission)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth course	Chem 11 (70%) Foundations of Math 11 or Pre-calculus 11 (70%)
	Northern Baccalaureate (NBNP)**	Admission is based on the most recent 60 credit hours of university level course work including required prerequisite courses, and at least 24 credit hours of university level coursework completed at the 200 level or above.					B- grade in the following university transfer courses: Human Anatomy & Physiology (6 cr), Microbiology (3 cr), Statistics (3 cr), Social Sciences (3 cr), English (3 cr), Indigenous Studies (3 cr), Psychology (3 cr) – see program page for additional admission requirements and prerequisite course time limits

\*Students apply for the NCBNP at Coast Mountain College or College of New Caledonia.

\*\*Students apply for the NBNP at UNBC.

For students who are missing required prerequisite courses for programs that may require Pre-calculus 12, Physics 11, or Physics 12: please note that UNBC offers some degree pathways that allow you to take courses that meet the prerequisite requirements through additional courses. These pathways require more time to complete your degree than if you have these prerequisites. Check with student advising to find out course equivalent or upgrading options that are available to you while enrolled at UNBC.

**6. Authorization:**

**Program / Academic / Administrative Unit:** Office of the Registrar

**College:** CSAM/CASHS

**SCCC Reviewed:** February 28, 2020

**College Council Motion Number:**

**College Council Approval Date:**

**Senate Committee on First Nations and Aboriginal Peoples Motion Number:**

**Senate Committee on First Nations and Aboriginal Peoples Meeting Date:**

**7. Other Information**

**Attachment Pages:**   2   pages

**INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ADMISSIONS AND DEGREES MEETING**

**Brief Summary of Committee Debate:**

**Motion No.:** SCAD

**Moved by:**

**Seconded by:**

**Committee Decision:**

**Approved by SCAD:**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Chair's Signature**

**For recommendation to   ✓  , or information of \_\_\_\_\_ Senate.**

## Additional Documentation and Rationale:

Currently students are admitted to UNBC as undeclared students. They are expected to declare their program once they complete 10 courses (30 credits). They enter their program of intention on the application form.

All non-competitive degree programs (Arts, Commerce, Planning, & Science) have the same course admission requirements: ENGL 12, 3 Academic courses, and a fifth. We admit all students who meet these criteria.

Students are requesting clear pathways to completion of their intended program right at the start of their admission. The vast majority of students want to be admitted directly into the program rather than starting as the required undeclared status. There are many reasons to consider this route.

1. **Competitive Disadvantage** - some students feel insecure because they are not admitted into the program they want. Undeclared status can feel like probationary admission to some. This increases the chances they would select another post-secondary who can admit them into their desired program immediately. This is a competitive disadvantage when a student has multiple offers of admission, but we only admit undeclared. It is much more common in the university sector to clearly state the course requirements to complete a degree, and to use admissions as the way to assess that right at the beginning.

2. **Misleading Admissions** – many programs require prerequisite courses which are not included in the admission requirements.

For example, the admission requirements for the Bachelor of Science degrees are as stated above: ENGL 12, 3 Academic courses, and a fifth course.

Given this, a student would be admitted to the BSc, Biology major if they had: English 12, French 12, History 12, Comparative Civilizations 12, and Dance 12.

After taking their first year, they could declare their program, they get added into the Biology program, which initiates a program check, and they meet with an advisor to learn that Biology requires them to have Biology 11 or 12, Pre-calculus 12, and Physics 12.

The current admission process avoids declaring pre-requisites for the program as requirements. Students are “admitted” to the program in their mind and then have to do upgrading which is not generally available at UNBC. And students don’t know that they are missing requirements until they arrive and if they are able to speak to advising. A common reaction is “Why would you admit me into a program I can’t take?” Nothing alerts them that additional courses are needed unless they happen to ask an advisor who can eyeball their courses. Offering upgrading courses isn’t much comfort at all because they weren’t expecting to have to upgrade due to being fully admitted.

Last semester, a group of international students moved to Prince George from India, only to learn that they don’t have the courses they need to take the program they have indicated as their intention and the reason they moved to Canada. This created a lot of stress for the students who have to deal with these new ‘surprise’ requirements, as well as the front line staff who have to defend this process to students and their parents. We have been accused

of being unethical with our admissions information.

3. **Liability** – we are open to liability challenges if we were to be held account for admitting students without the necessary courses to complete their programs.
4. **Challenges with academic advising** – because degree requirements cannot be assessed since the student is not in a program, advisors have no mechanism to properly inform students which courses they should be taking in first year to complete their program in a timely manner. Everything is a guess and relies on the expertise, experience, and memory of the advisor. Students admitted directly to program could have their programs assessed and laid out with a plan to take into account when courses are offered, and the correct sequence to get necessary prerequisites for advancing through their program.
5. **Students find workarounds** – One example: students admitted to commerce who don't have math can delay taking the course until late into the program, and then take an appropriate math course equivalent elsewhere that doesn't require the pre-calculus 12 to complete. The result is that they've taken a course elsewhere rather than here at UNBC and have not benefitted from having that math knowledge that we want them to carry with them in the commerce program.
6. **This also applies to transfer students and to mature admit students** – in these routes, we don't assess for prerequisite courses. We admit into undeclared or into a program and then they learn the bad news.
7. **It's another level of administration** – right now every student submits a declaration of program form at some point. A direct to program admission means that this would done when processing the application and extra paperwork would only happen if the student would like to change their program.
8. **Allows for better course planning** – knowing how many applicants are admitted into which degree and major earlier allows for us to better plan courses to meet student demand by knowing those demands much earlier. Right now students may not be able to get their first year courses. This could be detrimental for programs that have specific course sequencing.
9. **Still allows students to enter UNBC through the current general admissions route with intent to enter programs** – this wouldn't reduce pathways, since a student would still have the opportunity to be admitted into a general admissions stream with the option of picking up missing prerequisite courses if they choose to. This allows admissions the option to not reject a student, but rather, offer them the general admission route when they do not meet the admissions requirements of the program they're applying for, e.g. "You are not admissible to the BSc Chemistry because you do not have Pre-calculus 12, however, we will admit you into the general admissions route, and when you have that course, you may declare your Chemistry major at that time."

High School admission average is based on a calculation of the average grade of five required grade 12 courses.

Program	Major	Five Grade 12 Courses Required For Admission					Other requirements
		1	2	3	4	5	
Arts 65% Avg	Anthropology	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Economics	English Studies 12 or English First Peoples 12	Pre-calculus 12 67%	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	English	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Environmental & Sustainability Studies	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	First Nations Studies	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	General Arts	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Geography (BA)	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Global & International Studies	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	History	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Nature-Based Tourism Management	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Northern Studies	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Political Science	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Public Administration & Community Development	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
Women's Studies	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course		

Commerce 65% Avg	Accounting	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Finance	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	General Commerce	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Human Resource Management	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	International Business	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Management Information Systems	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Marketing	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
Science 65% Avg	Biochemistry & Molecular Biology	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12; Physics 11
	Biology	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12
	Chemistry	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12; Physics 11
	Computer Science	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Conservation Science & Practice	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12
	Environmental Science	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12; Physics 11
	Forest Ecology & Management	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12

	Geography (BSc)	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12; Physics 11
	Integrated Science	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12; Physics 11
	Mathematics	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Physics	English Studies 12 or English First Peoples 12	Pre-calculus 12 (67%)	Physics 12 or Applied Physics 12	Approved Academic Grade 12 Course	Fifth Course	
	Psychology	English Studies 12 or English First Peoples 12	Approved Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Wildlife & Fisheries	English Studies 12 or English First Peoples 12	Pre-calculus 12 (60%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12
Planning 65% Avg	Northern and Rural Community Planning	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	First Nations Planning	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
	Natural Resources Planning	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	
Applied Science	UNBC/UBC Joint Environmental Engineering	English Studies 12 or English First Peoples 12	Pre-calculus 12	Anatomy & Physiology 12 or Chemistry 12 or Physics 12 or Applied Physics 12	Anatomy & Physiology 12 or Chemistry 12 or Physics 12 or Applied Physics 12	Fifth Course	Physics 12 or Applied Physics 12; Chemistry 11
	Civil Engineering	English Studies 12 or English First Peoples 12	Pre-calculus 12	Physics 12 or Applied Physics 12	Approved Academic Grade 12 Course	Fifth Course	Chemistry 11
	Environmental Engineering	English Studies 12 or English First Peoples 12	Pre-calculus 12	Physics 12 or Applied Physics 12	Approved Academic Grade 12 Course	Fifth Course	Life Sciences 11 or Anatomy & Physiology 12; Chemistry 11



Health Science	Biomedical Studies	English Studies 12 or English First Peoples 12	Anatomy & Physiology 12 (70%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Pre-calculus 11 or Principles of Math 11; Chemistry 11 (70%)
	Community & Population Health: Aboriginal and Rural Health	English Studies 12 or English First Peoples 12	Anatomy & Physiology 12 (70%)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth Course	Chemistry 11 (70%) and Pre-calculus 11
	Community & Population Health: Environmental Health	English Studies 12 or English First Peoples 12	Approved Grade 12 Course	Anatomy & Physiology 12 (70%)	Approved Academic Grade 12 Course	Fifth Course	Chemistry 11 (70%) and Pre-calculus 11

**NOTES:**

**Academic course** may be selected from approved Academic course list.

**Fifth course** may be approved Academic or Non Academic course. See admissions listing.

**Other requirements** are necessary for certain listed programs in addition to admission requirements.

Nursing	Northern Collaborative Baccalaureate (NCBNP)* 70% avg	English Studies 12 or English First Peoples 12 (70%)	Anatomy & Physiology 12 (73% within 5 years prior to admission)	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fifth course	Chem 11 (70%) Foundations of Math 11 or Pre-calculus 11 (70%)
	Northern Baccalaureate (NBNP)**	Admission is based on the most recent 60 credit hours of university level course work including required prerequisite courses, and at least 24 credit hours of university level coursework completed at the 200 level or above.				B- grade in the following university transfer courses: Human Anatomy & Physiology (6 cr), Microbiology (3 cr), Statistics (3 cr), Social Sciences (3 cr), English (3 cr), Indigenous Studies (3 cr), Psychology (3 cr) – see program page for additional admission requirements and prerequisite course time limits	

\*Students apply for the NCBNP at Coast Mountain College or College of New Caledonia.

\*\*Students apply for the NBNP at UNBC.

**For students who are missing required prerequisite courses for programs that may require Pre-calculus 12, Physics 11, or Physics 12:** please note that UNBC offers some degree pathways that allow you to take courses that meet the prerequisite requirements through additional courses. These pathways require more time to complete your degree than if you have these prerequisites. Check with student advising to find out course equivalent or upgrading options that are available to you while enrolled at UNBC.



Motion Number (assigned by SCS): \_\_\_\_\_

**SENATE COMMITTEE ON SCHOLARSHIPS AND BURSARIES (SCSB)**

**PROPOSED MOTION**

**Motion:** That the new Terms and Conditions for the Minerva BC Foundation Scholarship be approved.

**Effective Date:** 2020-2021 Academic Year

**Rationale:** To activate the Minerva BC Foundation Scholarship commencing the 2020-2021 Academic Year.

**Proposed By:** Tara Mayes, Development Officer – Donor Relations

**Advancement Contact:** Tara Mayes, Development Officer – Donor Relations

**Faculty/Academic Department:** N/A

**Date:** March 13, 2020

**TO BE COMPLETED AFTER SCSB MEETING**

**Brief Summary of Committee Debate:** The Committee endorsed the motion.

**Motion No.:** SCSB20200325.03


**Moved by:** Lewis

**Seconded by:** Mayes

**Committee Decision:** CARRIED

**Attachments:** 1 Page

**Approved by SCSB:** March 25, 2020



**Date**

**Chair's Signature**

**For information of Senate.**

**AWARDS GUIDE INFORMATION:**

**Award Category:** General

**Award Name:** Minerva BC Foundation Scholarship

**Awards Guide Description/Intent:** Minerva BC is a registered non-profit charitable organization that supports women and girls throughout the province to gain the confidence and skills they need to reach their leadership potential.

**Donor:** Minerva BC Foundation

**Value:** \$2,500

**Number:** One

**Award Type:** Scholarship

**Eligibility:** Available to a full-time undergraduate student enrolled in the Bachelor of Commerce Program who identifies as female. First preference will be given to students who identify as indigenous, single parents, students returning to university after a prolonged absence or Minerva BC Program Alumna. Students who have been involved in Minerva BC programs must identify the name of the program and year they participated in their award application.

**Criteria:** Academic excellence.

**Effective Date:** Established 2020

**Recipient Selection:** Senate Committee on Scholarships and Bursaries on recommendation by the UNBC Awards Office.



Motion Number (assigned by SCS): \_\_\_\_\_

**SENATE COMMITTEE ON SCHOLARSHIPS AND BURSARIES (SCSB)**

**PROPOSED MOTION**

**Motion:** That the new Terms and Conditions for the Timberwolves Student Athlete Society Award be approved.

**Effective Date:** 2020-2021 Academic Year

**Rationale:** To activate the Timberwolves Student Athlete Society Award commencing the 2020-2021 Academic Year.

**Proposed By:** Tara Mayes, Development Officer – Donor Relations

**Advancement Contact:** Tara Mayes, Development Officer – Donor Relations

**Faculty/Academic Department:** N/A

**Date:** March 13, 2020

**TO BE COMPLETED AFTER SCSB MEETING**

**Brief Summary of Committee Debate:** The Committee endorsed the motion.

**Motion No.:** SCSB20200325.04

**Moved by:** Wagner

**Seconded by:** Jensen

**Committee Decision:** CARRIED

**Attachments:** 1 Page

**Approved by SCSB:** March 25, 2020

**Date**

**Chair's Signature**

**For information of Senate.**

**AWARDS GUIDE INFORMATION:**

**Award Category:** General

**Award Name:** Timberwolves Student Athlete Society Award

**Awards Guide Description/Intent:** This award has been established by the Timberwolves Student Athlete Society to recognize a student that supports UNBC Athletics who is not a student-athlete.

**Donor:** Timberwolves Student Athlete Society

**Value:** \$500

**Number:** One

**Award Type:** Award

**Eligibility:** Available to a full-time undergraduate student that demonstrates a high level of commitment to UNBC Athletics who is not a student-athlete.

**Criteria:** Demonstrated financial need and academic proficiency.

**Effective Date:** Established 2020

**Recipient Selection:** Senate Committee on Scholarships and Bursaries on recommendation by the Director of Athletics.



Motion Number (assigned by SCS): \_\_\_\_\_

**SENATE COMMITTEE ON SCHOLARSHIPS AND BURSARIES (SCSB)**

**PROPOSED MOTION**

**Motion:** That the new Terms and Conditions for the Timberwolves Student Athlete Society Athletic Award be approved.

**Effective Date:** 2020-2021 Academic Year

**Rationale:** To activate the Timberwolves Student Athlete Society Athletic Award commencing the 2020-2021 Academic Year.

**Proposed By:** Tara Mayes, Development Officer – Donor Relations

**Advancement Contact:** Tara Mayes, Development Officer – Donor Relations

**Faculty/Academic Department:** N/A

**Date:** March 13, 2020

**TO BE COMPLETED AFTER SCSB MEETING**

**Brief Summary of Committee Debate:** The Committee endorsed the motion.

**Motion No.:** SCSB20200325.05


**Moved by:** Budde

**Seconded by:** Wheate

**Committee Decision:** CARRIED

**Attachments:** 1 Page

**Approved by SCSB:** March 25, 2020



**Date**

**Chair's Signature**

**For information of Senate.**

**AWARDS GUIDE INFORMATION:**

**Award Category:** General

**Award Name:** Timberwolves Student Athlete Society Athletic Award

**Awards Guide Description/Intent:** This award has been established by the Timberwolves Student Athlete Society to recognize a student-athlete that demonstrates a high level of community involvement.

**Donor:** Timberwolves Student Athlete Society

**Value:** \$500

**Number:** One

**Award Type:** Award

**Eligibility:** Available to a full-time undergraduate student-athlete that demonstrates a high level of community involvement.

**Criteria:** Demonstrated financial need and academic proficiency.

**Effective Date:** Established 2020

**Recipient Selection:** Senate Committee on Scholarships and Bursaries on recommendation by the Director of Athletics and Recreation.



Motion Number (assigned by SCS): \_\_\_\_\_

**SENATE COMMITTEE ON SCHOLARSHIPS AND BURSARIES (SCSB)**

**PROPOSED MOTION**

**Motion:** That the new Terms and Conditions for the UNBC Men’s Soccer Alumni Award be approved.

**Effective Date:** 2020-2021 Academic Year

**Rationale:** To activate the UNBC Men’s Soccer Alumni Award commencing the 2020-2021 Academic Year.

**Proposed By:** Tara Mayes, Development Officer – Donor Relations

**Advancement Contact:** Tara Mayes, Development Officer – Donor Relations

**Faculty/Academic Department:** N/A

**Date:** March 12, 2020

**TO BE COMPLETED AFTER SCSB MEETING**

**Brief Summary of Committee Debate:** The Committee endorsed the motion.

**Motion No.:** SCSB20200325.06

**Moved by:** Horianopoulos

**Seconded by:** Lewis

**Committee Decision:** CARRIED

**Attachments:** 1 Page

**Approved by SCSB:** March 25, 2020

**Date**

**Chair’s Signature**

**For information of Senate.**



**AWARDS GUIDE INFORMATION:**

**Award Category:** General

**Award Name:** UNBC Men's Soccer Alumni Award

**Awards Guide Description/Intent:** This award has been established by a group of UNBC Men's Soccer Alumni who wish to give back to the program. They hope that their support will help attract and retain a top player to the UNBC Men's Timberwolves Soccer team.

**Donor:** UNBC Men's Soccer Alumni

**Value:** \$1,000

**Number:** One

**Award Type:** Award

**Eligibility:** Available to a full-time or part-time undergraduate UNBC Timberwolves athlete on the men's soccer team.

**Criteria:** Demonstrated financial need and academic proficiency.

**Effective Date:** Established 2020

**Recipient Selection:** The head coach of the Men's UNBC Timberwolves Soccer team will identify suitable applicants and forward nomination information to the Awards Office.



Motion Number (assigned by SCS): \_\_\_\_\_

**SENATE COMMITTEE ON SCHOLARSHIPS AND BURSARIES (SCSB)**

**PROPOSED MOTION**

**Motion:** That the new Terms and Conditions for the UNBC Mental Health Champions Award be approved.

**Effective Date:** 2020-2021 Academic Year

**Rationale:** To activate the UNBC Mental Health Champions Award commencing the 2020-2021 Academic Year.

**Proposed By:** Tara Mayes, Development Officer – Donor Relations

**Advancement Contact:** Tara Mayes, Development Officer – Donor Relations

**Faculty/Academic Department:** N/A

**Date:** March 13, 2020

**TO BE COMPLETED AFTER SCSB MEETING**

**Brief Summary of Committee Debate:** The Committee endorsed the motion.

**Motion No.:** SCSB20200325.07

**Moved by:** Mayes

**Seconded by:** Wagner

**Committee Decision:** CARRIED

**Attachments:** 1 Page

**Approved by SCSB:** March 25, 2020

**Date**

**Chair's Signature**

**For information of Senate.**

**AWARDS GUIDE INFORMATION:**

**Award Category:** General

**Award Name:** UNBC Mental Health Champions Award

**Awards Guide Description/Intent:** This award has been established to support UNBC students who have undertaken formal or semi-formal training in mental health care and awareness.

**Donor:** Generous UNBC Donors

**Value:** \$500

**Number:** Two in 2020/21

**Award Type:** Award

**Eligibility:** Available to a full-time undergraduate student who has undertaken formal or semi-formal training in mental health care and awareness. First preference will be given to a student from School District 57. Second preference will be given to a resident of Northern British Columbia.

**Criteria:** Demonstrated financial need and academic proficiency.

**Application Instructions:** Applicants must include the following in their application: 1) the formal or semi-formal training they have undertaken in mental health care and awareness 2) their goals of sharing these teachings, habits, and attitudes with the greater UNBC community as champions for mental wellness.

**Effective Date:** Established 2020

**Recipient Selection:** Senate Committee on Scholarships and Bursaries on recommendation by the UNBC Awards Office.



Motion Number (assigned by SCS): \_\_\_\_\_

**SENATE COMMITTEE ON SCHOLARSHIPS AND BURSARIES (SCSB)**

**PROPOSED MOTION**

**Motion:** That the revised Terms and Conditions for the Canfor Annual Awards be approved.

**Effective Date:** 2020-2021 Academic Year

**Rationale:** To revise the Canfor Annual Awards commencing the 2020-2021 Academic Year.

**Proposed By:** Tara Mayes, Development Officer – Donor Relations

**Advancement Contact:** Tara Mayes, Development Officer – Donor Relations

**Faculty/Academic Department:** N/A

**Date:** March 6, 2020

**TO BE COMPLETED AFTER SCSB MEETING**

**Brief Summary of Committee Debate:** The Committee endorsed the motion.

**Motion No.:** SCSB20200325.08

**Moved by:** Jensen

**Seconded by:** Budde

**Committee Decision:** CARRIED

**Attachments:** 2 Pages

**Approved by SCSB:** March 25, 2020

**Date**

**Chair's Signature**

**For information of Senate.**

### **AWARDS GUIDE INFORMATION:**

**Award Category:** General

**Award Name:** Canfor Annual Awards

**Awards Guide Description/Intent:** Canfor Corporation is a leading integrated forest products company with strong roots in northern British Columbia. As the largest BC producer of softwood lumber and through its 50% ownership of CPLP Income Fund one of the largest market pulp producers in Canada, Canfor is committed to fostering growth and strengthening the communities that we call home. The Canfor Annual Awards commemorate Canfor's support of the University of Northern British Columbia and its students. It is Canfor's hope that these students will put their talents to work in the field of forestry in communities throughout northern British Columbia.

**Donor:** Canfor Corporation

**Value:** \$2,000

**Number:** Three

**Award Type:** Award

**Eligibility:** Available to a full time undergraduate students enrolled in his/her/their first or second year of the Natural Resources Management pProgram. ~~Students must have express~~ an explicit interest in a career in industrial related forestry as well as plans to remain in the North in the career goals section of their award application.

**Criteria:** ~~An explicit interest in industrial forestry and~~ Academic proficiency

~~**Conditions:** Applicants must submit a 500 word essay outlining his/her career goals.~~

~~**Note:** Recipients of these awards are ineligible for receipt of the Canfor Legacy Endowed Awards in the same academic year and vice versa. Students are eligible to receive only one UNBC Canfor-sponsored award.~~

**Effective Date:** Established 2000

**Recipient Selection:** Senate Committee on Scholarships and Bursaries on recommendation by the UNBC Awards Office.

### **AWARDS GUIDE INFORMATION:**

**Award Category:** In-course

**Award Name:** Canfor Annual Awards

**Awards Guide Description/Intent:** Canfor Corporation is a leading integrated forest products company with strong roots in northern British Columbia. As the largest BC producer of softwood lumber and through its 50% ownership of CPLP Income Fund one of the largest market pulp producers in Canada, Canfor is committed to fostering growth and strengthening the communities that we call home. The Canfor Annual Awards commemorate Canfor's support of the University of Northern British Columbia and its students. It is Canfor's hope that these

students will put their talents to work in the field of forestry in communities throughout northern British Columbia.

**Donor:** Canfor Corporation

**Value:** \$3,500

**Number:** Four

**Award Type:** Award

**Eligibility:** Available to a full time undergraduate students enrolled in the Natural Resources Management pProgram with a Major in Forest Ecology and Management who have completed 60 credit hours. Students must have express an explicit interest in a career in industrial related forestry as well as plans to remain in the North in the career goals section of their award application.

**Criteria:** ~~An explicit interest in industrial forestry and~~ Academic proficiency

**Conditions:** ~~Applicants must submit a 500 word essay outlining his/her career goals.~~

**Note:** ~~Recipients of these awards are ineligible for receipt of the Canfor Legacy Endowed Awards in the same academic year and vice versa.~~ Students are eligible to receive only one UNBC Canfor-sponsored award.

**Effective Date:** Established 2000

**Recipient Selection:** Senate Committee on Scholarships and Bursaries on recommendation by the UNBC Awards Office.



Motion Number (assigned by SCS): \_\_\_\_\_

**SENATE COMMITTEE ON SCHOLARSHIPS AND BURSARIES (SCSB)**

**PROPOSED MOTION**

**Motion:** That the revised Terms and Conditions for the Canfor Legacy Awards be approved.

**Effective Date:** 2020-2021 Academic Year

**Rationale:** To revise the Canfor Legacy Awards commencing the 2020-2021 Academic Year.

**Proposed By:** Tara Mayes, Development Officer – Donor Relations

**Advancement Contact:** Tara Mayes, Development Officer – Donor Relations

**Faculty/Academic Department:** N/A

**Date:** March 6, 2020

**TO BE COMPLETED AFTER SCSB MEETING**

**Brief Summary of Committee Debate:** The Committee endorsed the motion.

**Motion No.:** SCSB20200325.09

**Moved by:** Jensen

**Seconded by:** Budde

**Committee Decision:** CARRIED

**Attachments:** 2 Pages

**Approved by SCSB:** March 25, 2020

**Date**

**Chair's Signature**

**For information of Senate.**

### **AWARDS GUIDE INFORMATION:**

**Award Category:** General

**Award Name:** Canfor Legacy Awards

**Awards Guide Description/Intent:** Canfor Corporation is a leading integrated forest products company with strong roots in northern British Columbia. With the purchase of Northwood Inc. in 1999, Canfor is the largest BC producer of softwood lumber and through its 50% ownership of CPLP Income Fund one of the largest market pulp producers in Canada. Canfor is committed to innovative practices that foster growth and create opportunities in the north. Canfor Legacy Awards are provided yearly to commemorate Legacy Northwood's commitment to the University of Northern British Columbia and its students. In continuation of the original intent of these awards, they will recognize those students who achieve academic excellence and strive to prepare themselves for exciting careers.

**Donor:** Canfor Corporation

**Value:** \$2,000

**Number:** Three

**Award Type:** Award

**Eligibility:** Available to [a full time undergraduate students](#) enrolled in [his/her/their](#) first or second year of the Natural Resources Management [pP](#)rogram. ~~Students must [have express](#) an explicit interest in a career in industrial related forestry as well as plans to remain in the North [in the career section of their application](#).~~

**Criteria:** ~~An explicit interest in industrial forestry and~~ Academic proficiency

~~**Conditions:** Applicants must submit a 500 word essay outlining his/her career goals.~~

~~**Note:** Recipients of these awards are ineligible for receipt of the Canfor Annual Awards in the same academic year and vice versa. [Students are eligible to receive only one UNBC Canfor-sponsored award.](#)~~

**Effective Date:** Endowed 1993

**Recipient Selection:** Senate Committee on Scholarships and Bursaries on recommendation by the UNBC Awards Office.

### **AWARDS GUIDE INFORMATION:**

**Award Category:** In-course

**Award Name:** Canfor Legacy Awards

**Awards Guide Description/Intent:** Canfor Corporation is a leading integrated forest products company with strong roots in northern British Columbia. With the purchase of Northwood Inc. in 1999, Canfor is the largest BC producer of softwood lumber and through its 50% ownership of CPLP Income Fund one of the largest market pulp producers in Canada. Canfor is committed to innovative practices that foster growth and create opportunities in



the north. Canfor Legacy Awards are provided yearly to commemorate Legacy Northwood's commitment to the University of Northern British Columbia and its students. In continuation of the original intent of these awards, they will recognize those students who achieve academic excellence and strive to prepare themselves for exciting careers.

**Donor:** Canfor Corporation

**Value:** \$3,500

**Number:** Four

**Award Type:** Award

**Eligibility:** Available to a full time undergraduate students enrolled in the Natural Resources Management pProgram with a Major in Forest Ecology and Management who have completed 60 credit hours. Students must haveexpress an explicit interest in a career in industrial related forestry as well as plans to remain in the North in the career goals section of their application.

**Criteria:** ~~An explicit interest in industrial forestry and~~ Academic proficiency

**Conditions:** ~~Applicants must submit a 500 word essay outlining his/her career goals.~~

**Note:** ~~Recipients of these awards are ineligible for receipt of the Canfor Annual Awards in the same academic year and vice versa.~~ Students are eligible to receive only one UNBC Canfor-sponsored award.

**Effective Date:** Endowed 1993

**Recipient Selection:** Senate Committee on Scholarships and Bursaries on recommendation by the UNBC Awards Office.



Motion Number (assigned by SCS): \_\_\_\_\_

**SENATE COMMITTEE ON SCHOLARSHIPS AND BURSARIES (SCSB)**

**PROPOSED MOTION**

**Motion:** That the revised Terms and Conditions for the Jack and Mary Wiggin Aboriginal Health Award be approved.

**Effective Date:** 2020-2021 Academic Year

**Rationale:** To revise the Jack and Mary Wiggin Aboriginal Health Award commencing the 2020-2021 Academic Year.

**Proposed By:** Tara Mayes, Development Officer – Donor Relations

**Advancement Contact:** Tara Mayes, Development Officer – Donor Relations

**Faculty/Academic Department:** N/A

**Date:** March 12, 2020

**TO BE COMPLETED AFTER SCSB MEETING**

**Brief Summary of Committee Debate:** The Committee endorsed the motion.

**Motion No.:** SCSB20200325.10

**Moved by:** Jensen

**Seconded by:** Budde

**Committee Decision:** CARRIED

**Attachments:** 2 Pages

**Approved by SCSB:** March 25, 2020

**Date**

**Chair's Signature**

**For information of Senate.**

## **AWARDS GUIDE INFORMATION:**

**Award Category:** ~~In-course~~General

**Award Name:** Jack and Mary Wiggin Aboriginal Health Award

**Award Intent:** In the spirit of reconciliation as set out in the work of the Truth and Reconciliation Commission of Canada (TRC) and TRC Calls to Action to expand the supply of Aboriginal health professionals, the purpose of this award is to contribute toward improved outcomes in the health of Aboriginal peoples and communities in Canada by investing in the training of talented and committed Aboriginal students in health-care fields. For the terms of this award, Aboriginal includes people of First Nations, Inuit and Metis heritage.

**Calendar Description/Intent:** This award ~~is~~has been established in the name of Jack and Mary Wiggin by their five adult children, with funding from Jack and Mary's estate. Through dedication and resilience and the support of mentors at key points, Jack overcame the socio-economic challenges of his birth family to receive an MSC and MD from Queen's University at Kingston. After practising family medicine in a small Ontario town, he earned a PhD from Cambridge University and went on to a distinguished and varied career in medicine and health sciences. Daughter of a medical doctor, Mary trained as a nurse and applied those skills well in raising their family. Jack and Mary spent their last three decades in British Columbia to be near family, including ten grandchildren and three great grandchildren. Both Jack and Mary were involved in programs that supported students who faced challenges in continuing their education. Before she passed away, Mary had intended to establish an award in Jack's name to assist in the training of medical doctors. After reading all reports of the Truth and Reconciliation Commission (TRC), she expressed particular concern about the impacts of colonialism and residential schools on Aboriginal peoples in Canada and her heartfelt desire for reconciliation efforts and initiatives to succeed. Jack and Mary's children feel this award will serve a student population both parents would wish to support.

**Donor:** The Wiggin Family

**Value:** \$3,500

**Number:** One

**Award Type:** Award

**Eligibility:** ~~Available to a full-time Aboriginal student who has completed at least 60 hours of their undergraduate program in a health field. Applicants must intend to apply to the Northern Medical Program (NMP), the Family Nurse Practitioner Program (MScN FNP), other post-graduate health sciences program that is specifically related to health in rural and remote Aboriginal communities, or further their education through graduate research in a subject area that will support the development and delivery of improved health outcomes for Aboriginal people in rural and remote communities. In light of both a pressing need for family nurse practitioners as community-based primary care providers serving the needs of Aboriginal populations, and the current under-representation of Aboriginal students in nursing, first preference will be given to a student intending to develop a career as a Family Nurse Practitioner serving rural and/or remote Aboriginal communities.~~

~~Eligible applicants should demonstrate resilience in the face of challenges, highlights of any community engagement (e.g. volunteer or other community ties/involvement), creativity and potential for leadership and innovation. Available to a full-time Aboriginal graduate or undergraduate student studying in a health related field. First preference will be given to a student intending to develop a career serving rural and/or remote Aboriginal communities and who is enrolled in or who intends to apply to the Northern Medical Program (NMP) or the Family Nurse Practitioner Program.~~

**Criteria:** ~~Demonstrated financial need and academic proficiency with a minimum of 3.5 GPA.~~

**Application Instructions:** ~~Applicants must complete the on-line in-course awards application and submit supporting documentation to the Financial Aid Office. Such documentation must include a one to two page submission on how they meet the eligibility criteria. The submission is to touch on a) what motivated them to pursue health-focused studies; and b) key health and service delivery challenges they see in their own community and/or in rural/remote Aboriginal communities more broadly. The submission may take essay or other form to allow inclusion of original creative voice – e.g. poem, or artistic work (with commentary, as they wish, on what the work seeks to convey). Applicants may also include a letter of recommendation. A student may receive the award more than once. Applicants must provide additional documentation to the Awards Office, including a one to two page submission that touches on a) what motivated them to pursue health-focused studies; and b) key health and service delivery challenges they see in their own community and/or in rural/remote Aboriginal communities more broadly. The submission may take essay or other form such as poem, or artistic work. Applicants may also include a letter of recommendation.~~

**Effective Date:** Endowed 2017

**Recipient Selection:** ~~Senate Committee on Scholarships and Bursaries on recommendation by a selection committee comprised of the Coordinator of the FNP, the Associate VP of the Northern Medical Program, the Senior Advisor to the President on Aboriginal Relations, or their delegates. The Committee must include an Elder or other Aboriginal representative. The selection committee will evaluate the candidates based on the criteria and donor's intent defined in Eligibility. One member of the donor's family may participate in the selection as an observer to offer clarification on donor intent and will not choose the recipient. Senate Committee on Scholarships and Bursaries on recommendation by the UNBC Awards Office. The UNBC Awards Office will consult with the UNBC Manager of Aboriginal Student Engagement or their delegate and an elder selected or appointed by the UNBC Manager of Aboriginal Student Engagement.~~



Motion Number (assigned by SCS): \_\_\_\_\_

**SENATE COMMITTEE ON SCHOLARSHIPS AND BURSARIES (SCSB)**

**PROPOSED MOTION**

**Motion:** That the revised Terms and Conditions for the Steadman Family Matching Grant Bursary be approved.

**Effective Date:** 2020-2021 Academic Year

**Rationale:** To revise the Steadman Family Matching Grant commencing the 2020-2021 Academic Year.

**Proposed By:** Tara Mayes, Development Officer – Donor Relations

**Advancement Contact:** Tara Mayes, Development Officer – Donor Relations

**Faculty/Academic Department:** N/A

**Date:** March 9, 2020

**TO BE COMPLETED AFTER SCSB MEETING**

**Brief Summary of Committee Debate:** The Committee endorsed the motion.

**Motion No.:** SCSB20200325.11

**Moved by:** Wheate

**Seconded by:** Horianopoulos

**Committee Decision:** CARRIED

**Attachments:** 1 Page

**Approved by SCSB:** March 25, 2020



**Date**

**Chair's Signature**

**For information of Senate.**

## **AWARDS GUIDE INFORMATION:**

**Award Category:** Open

**Award Name:** Steadman Family Matching Grant Bursary

**Awards Guide Description/Intent:** This bursary was established by Tom and Linda Steadman – entrepreneurial partners in Prince George business – to help those whose personal efforts, like their own, contributed towards their success. Tom Steadman was a founding advocate of the University, a Founder of the Interior University Society, Member of the Implementation Planning Group and the Interim Governing Council. He also chaired UNBC's North to the Future Campaign and the University of Northern British Columbia Foundation.

**Donor:** Tom and Linda Steadman

**Value:** Up to 50% of tuition and books

**Number:** Variable

**Award Type:** Bursary

**Eligibility:** Available to full-time students enrolled in an undergraduate degree program at UNBC. Candidates must reasonably demonstrate that they have personally earned the monies being applied towards their tuition and books for the upcoming academic year. [To the degree possible, amounts will be maximized in the following priority: First Preference will be given to residents of northern British Columbia-the previous recipients of this award. Second preference will be given to applicants with the highest self-earnings.](#)

**Criteria:** Demonstrated financial need.

**Note:** ~~Students may apply for and receive this award more than once.~~

**Application Instructions:** Complete the financial need section of the application form and supply a letter [to the Awards Office](#) outlining how you have earned the money you plan to use for your education.

**Effective Date:** Endowed 1993

**Recipient Selection:** Senate Committee on Scholarships and Bursaries on recommendation by the UNBC Awards Office.

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Motion Number (assigned by SCS): \_\_\_\_\_

**SENATE COMMITTEE ON SCHOLARSHIPS AND BURSARIES (SCSB)**

**PROPOSED MOTION**

**Motion:** That the SCSB 2019-2020 Annual Report be approved.

**Effective Date:** March 2020

**Rationale:** The annual report is due to be submitted to Senate in April.

**Proposed By:** Linda Fehr, Coordinator – Awards & Financial Aid

**External Relations Contact:** N/A

**Faculty / Academic Department:** N/A

**Date:** March 25, 2020

**TO BE COMPLETED AFTER SCSB MEETING**

**Brief Summary of Committee Debate:** The Committee endorsed the motion.

**Motion No.:** SCSB20200325.13

**Moved by:** Wagner

**Seconded by:** Jensen

**Committee Decision:** CARRIED

**Attachments:** 3 Pages

**Approved by SCSB:** March 25, 2020

**Date**

**Chair's Signature**

**For information of Senate.**

# Senate Committee on Scholarships and Bursaries

## Annual Report to Senate

March 25, 2020

### OVERVIEW

Since the last annual report in March of 2019 the Senate Committee on Scholarships and Bursaries has met ten (10) times. During this time, and on behalf of Senate, the Committee has completed the following administrative tasks:

- Recommended to Senate the 2019/2020 general scholarships and bursaries fund expenditures
- Ratified nominations of 2019/2020 awards recipients
- Established the selection criteria and procedures for the Lieutenant General's Silver Medal
- Reviewed and approved thirty-seven Terms and Conditions for newly established awards
- Approved twenty-six revisions to Terms and Conditions for existing awards
- Reviewed eleven student requests for scholarship deferrals/reinstatements

### STATISTICAL SUMMARY – 2019/2020

<b>Award Type</b>	<b>Number</b>	<b>Value</b>
Donor-Directed	678	\$1,668,825.32
UNBC General Fund (not including waivers)	232	\$ 678,900.00
UNBC Scholars Waivers	133	\$ 563,822.54
Graduate Tuition Waivers	55	\$ 240,314.34
Athletic Tuition Waivers	32	\$ 198,248.72
Provincial/Youth in Care Tuition Waivers	8	\$ 26,036.64
Three, Six and Fifteen Credit Hour Tuition Waivers	20	\$ 19,527.48
School District 57 Waivers (matching)	5	\$ 5,000.00
UNBC Tuition Awards for Excellence Waivers	1	\$ 4,339.44
Canada 150th Anniv. Intn'l Scholarship Waivers	88	\$ 147,000.00
<b>Totals</b>	<b>*1252</b>	<b>\$3,522,014.48 **</b>

\* 4% increase in number from 2018/2019  
\*\* 13% increase in value from 2018/2019



<b>Student Data</b>	<b>Number</b>	
Self-declared Female Recipients	833	
Self-declared Male Recipients	419	
Self-declared Aboriginal Recipients	96	
Northern Residents	748	
Undergraduate Entrance Recipients	278	
General Awards Recipients	127	(all student types)
In-Course Undergraduate Award Recipients	655	
Graduate Award Recipients	185	(includes only UNBC-administered awards)
NMP Award Recipients	7	
Number of individual recipients	700	(students who received one or more awards)

<b>Award Category</b>	<b>Number</b>	<b>Value</b>	<b>Median Value</b>
Needs-based Awards	339	\$ 515,590.52	\$1,200
Merit-based Awards	913	\$3,006,423.96	\$2,500

### **NEW DONOR-NAMED AWARDS ESTABLISHED IN 2019/2020**

<b>Name of Award</b>	<b>Number</b>	<b>Value/Award</b>	<b>Total Value</b>
BCGOC Indigenous Knowledge Research Grant	3	\$ 5,000	\$15,000
Brian Brownridge Memorial Award	2	\$ 1,000	\$ 2,000
Jack and Betty Meilgaard Award	1	\$ 1,500	\$ 1,500
Jan Galvin Bursary	1	\$ 5,000	\$ 5,000
Northern Nations Community Award	1	\$ 2,500	\$ 2,500
UNBC Engineering Bursary	1	\$ 1,000	\$ 1,000
UNBC Engineering Scholarship	1	\$ 1,000	\$ 1,000
Julia Torbela Ziebart Scholarship	1	\$ 1,000	\$ 1,000
MNP Fort St. John Scholarship	1	\$ 1,000	\$ 1,000
Fort St. John and Area Future Leader Award	1	\$ 3,000	\$ 3,000
John and Lois Lapadat Memorial Bursary	1	\$ 500	\$ 500
NMPT Rural Nursing Award	20	\$ 2,000	\$ 40,000
TLA Forestry Award	2	\$ 2,500	\$ 5,000
Bridget Moran Bursary	1	\$ 750	\$ 750
David Sakawsky Memorial Award	1	\$ 500	\$ 500
Dr. Alfred Joseph Award	1	\$ 500	\$ 500
Ryan-Sanford Cadet-Service Scholarship	1	\$ 1,000	\$ 1,000
Corey Robert Jarvis Memorial Award	1	\$ 1,000	\$ 1,000
Fuller Family Bursary	4	\$ 1,000	\$ 4,000
Mosaic Forestry Award	1	\$ 4,000	\$ 4,000
Prince George Italian Club Award	1	\$ 500	\$ 500
Radloff Scholarship	1	\$ 1,000	\$ 1,000
Seabrook Athletic Leadership Award	1	\$ 1,000	\$ 1,000
Spike Kendy Bursary	1	\$ 1,000	\$ 1,000
TC Engineering Scholarship	10	\$ 3,000	\$ 30,000
UNBC Master of Engineering Prize	1	\$10,000	\$ 10,000
West Fraser Award	3	\$ 2,500	\$ 7,500
GERS PhD Supplement	6	\$10,000	\$ 60,000
Walker Wood Engineering Scholarship	2	\$ 4,000	\$ 8,000
Allnorth Engineering Bursary	2	\$ 500	\$ 1,000
Kristopher McKay Award	1	\$ 1,000	\$ 1,000
Ricoh Canada Bursary	2	\$ 1,250	\$ 2,500
Susan Robertson Prize	1	\$ 1,000	\$ 1,000
DWB Consulting – Engineering Award	1	\$ 2,500	\$ 2,500
Northern Physiotherapy Bursary	1	\$ 1,000	\$ 1,000
Redden Family Physiotherapy Award	1	\$ 1,000	\$ 1,000
Robert Fedorkiw Memorial Award	1	\$ 1,500	\$ 1,500
<b>TOTALS</b>	<b>82</b>		<b>\$220,750</b>

**UNAWARDED SCHOLARSHIPS AND BURSARIES 2019/2020**

<b>Name Of Award</b>	<b>Reason</b>	<b>Value</b>	<b># Times Not Awarded (past Five Years)</b>
Aldyen Hamber Women's Studies Bursary	Program specific	\$1,500	2
Anna Sorkomova Memorial Bursary (2 awards)	Specific Criteria	\$3,000	1
Canfor Legacy Award (1 of 4)	Program/Year Specific	\$2,000	1
Chemistry Endowed Scholarship	Program/Year specific	\$1,500	1
CPA Education Foundation Award	Specific Criteria	\$1,000	2
Elan Travel Bursary (1 of 2)	Program Specific - WWN	\$1,500	1
McCarthy Tetrault Annual Scholarship	Program Specific - NTP	\$1,250	1
Miriam Matejova Award	Specific Criteria	\$1,200	4
Northern BC Archives Graduate Research Scholarship (2)	No applicants	\$5,000	2
Prkachin Award to Support Advanced Study in Psychology	Program Specific	\$1,250	1
Prince George Doctors Bursaries (2)	Offers declined/withdrawn	\$2,000	0
Public and Private Workers of Canada Local 9 Award (1 of 2)	Membership Specific	\$1,500	1
Ricci Dalton Award (2)	Program Specific – essay required	\$1,000	2
Simons Foundation Bursaries for Lone Parents (1 of 2)	Enrollment in UNBC Day Care	\$2,000	5
Sophie Thomas Bursary	Donor did not nominate	\$1,000	1
TD Bursaries	Offers declined/withdrawn	\$4,000	0
Van Adrichem Undergraduate Summer Research Bursary	No applicants	\$2,000	1
William Dow Ferry Scholarship	Program Specific	\$2,000	1
Totals	25 awards*	\$34,700**	

\*Percentage of *number* of available awards not awarded in 2019/2020: 1.9%

\*\*Percentage of *value* of available awards not awarded in 2019/2020: 1%