UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

SENATE MEETING
OPEN SESSION
MINUTES

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

Present: B. Annear (Secretary of Senate), A. Aravind, J. Bankole, R. Budde, J. Chen (non-voting) A. Constantin, B. Deo, D. Desai, Z. Fleck, E. Fredeen, M. Greenwood, A. Guest, I. Hartley, L. Haslett, K. Hirsh-Pearson *(Vice-Chair*), C. Hofsink, H. Holler-Busch, S. Horianopoulos, C. Ho Younghusband, D. Huber, P. Jackson, E. Jensen, H. Kazemian, G. Keeler, T. Klassen Ross, E. Korkmaz, K. Lewis, C. Meroniuk, D. Nyce, A. Parent (Recording Secretary), L. Parent, G. Payne *(Chair)*, S. Rader (non-voting), L. Roldan-Flores (non-voting), D. Ryan, A. Smith, C. Smith (non-voting), A. Sommerfeld (non-voting), K. Stathers, T. Tannert, T. Tribe (non-voting), N. Turner, S. Wagner, C. Whalen, J. Wimmers-Klick

Observers: C. Jago, H. Lewis

Regrets: B. McGill, A. Palmer, M. Peterson, L. Roodenburg, S. Sakshi, P. Winwood (non-voting)

The meeting commenced at 3:35 p.m. The Chair welcomed new Faculty Senators, Alex Aravind, Julius Bankole, Balbinder Deo, Margo Greenwood, Dezene Huber, Hossein Kazemian and Kim Stathers. He also welcomed new Senators, Jingyu Chen, President of NUGSS and Adrian Smith, President of NBCGSS.

1.0 Acknowledgement of Territory

The Chair acknowledged the Senate meeting was on the traditional territory of the Lheidli T'enneh.

2.0 S-202004.01
Approval of the Agenda ✞
Hartley
That the agenda for the April 22, 2020 Open Session of Senate be approved as presented.
CARRIED

2.0 Presentation – No Presentation

The Steering Committee of Senate has decided to suspended presentations to Senate until September 2020.

3.0 Approval of the Minutes

S-202004.02
Approval of the Minutes
Kazemian
That the Minutes for the March 25, 2020 Public Session of Senate be approved as presented.

CARRIED

5.0 Business Arising

None.

6.0 President's Report — Payne

The Interim President reported on University Governance. He announced the appointment of Ms. Harriet Lewis as an expert consultant on University Governance, who will conduct a review of our governance policies and procedures and the appointment of Dr. Charles Jago as Special Advisor on University Governance to support Ms. Lewis. He welcomed both as observers of the Senate meeting.

Senator asked for the Interim President to provide a bit more information about what the advisors will be doing in terms of collegial governance.

The Interim President highlighted that university governance is a cornerstone to the University's success and a strong relationship between the University Senate and Board of Governors and our community is important to ensure that our bicameral system is functioning appropriately. The purpose of this review is to consult with various UNBC stakeholders to assess and recommend policy and procedures for our leadership bodies grounded in the principles of good governance.

Senator Parent asked what the anticipated timeline for the review was. The Interim President responded that he expected it to be a two to three-month process.

The Interim President provided an update on UNBC's Coronavirus (COVID-19) response, including Federal government support for students, fee reductions for the May semester and added mental health supports. He thanked the University at large for embracing change and tackling challenging issues head on to find workable solutions and provide the best possible experience for students.

7.0 Report of the Provost — Ryan

The Provost reported that the campus interview portions were only completed for the Dean Search for the Faculty of Human and Health Sciences. All other searches are currently suspended. They will look at resuming the searches and interview processes in May/June. The Vice Provost Search has been cancelled.

The Provost reported on the enrolment numbers for the Summer and Fall semesters and provided a snap shot for Fall 2020. It is still early in the process but currently admissions for domestic undergraduate students is down 1.7%. very early in the process.

UNBC (and the other B.C. universities) are currently awaiting direction from the Province and the Provincial Health Officer to ascertain what they will be able to accommodate with regards to our typical schedule of in-person courses. The Provost reported that work is in progress with the Deans, Chairs and Faculty to monitor, adapt and plan our program and course offerings for Fall 2020 and assess using alternative modes of course delivery in light of the unprecedented circumstances created by the COVID pandemic. An announcement is expected in the next couple of weeks.

7.1 Academic Re-Structuring

The Provost reported that he is working with the Deans to address any delays to the Academic Re-Structuring that may occur as result of COVID-19, including delays in faculty hires, potential delays for new programs that are scheduled to start in September and student recruitment. Depending on restrictions in the trades and/or the availability of equipment, there could be potential to delays in renovations. More details will be provided at the May Senate.

8.0 Report of the Registrar — Annear

The Registrar updated Senate on the 130 thousand dollars in funding that has been distributed by the UNBC's awards office to students, including students in need who had not previously met the requirements for receiving funds. Students in need are advised to send an email to awards@unbc.ca.

The Registrar indicated that no action to change grades will be made to change grades until all grades have been received.

9.0 Question Period

9.1 Written questions submitted in advance

None.

9.2 Questions from the floor

Senator Deo asked where do the MBA projects go after a student defends and passes. The Provost will report back.

Senator Aravind asked why the 'authority' as printed in the current graduate calendar is different from the signing authority printed on the forms that are now being used and listed on the graduate programs website.

The Provost reported that in September 2019 the authority for graduate programs was changed from the VRRG to the Deans in preparation for the five-faculty structure. A graduate working group has been out in place to review the graduate policies and calendar language. There have been some delays as Graduate programs have been focused on supporting students in the their defences but work with this group is expected to resume again next week. The Provost will update Senate on their work in May.

Senator Aravind asked how can an 'Office' have authority. By not listing an individual authority (i.e. Deans), does this not jeopardize the student record?

The Provost indicated that he would review this with Graduate Programs and report back.

Senator Aravind asked when/were the authority changes from VPRG to Provost to Deans approved by Senate. The Provost indicated that he would report back.

10.0 S-202004.03

Approval of Motions on the Consent Agenda — **Payne**

Deo

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

CARRIED

11.0 Committee Reports

11.1 Senate Committee on Academic Appeals — Hartley

Senator Hartley reported that there are currently 5 appeals under review.

Work is being done to design a flow chart for faculty and students to ensure that appeal procedures and the processes are clear to all involved.

11.2 Senate Committee on Academic Affairs — Ryan

S-202004.04
Change(s) to Ethics Review of Research Involving Human Participants Policy
Deo
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.
Effective date: Upon Approval of Senate

Amendment
Lewis
That the language in section 4.1 Reporting Relationship be changed to

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) to the VPR for information for the Board of Governors.

CARRIED AS AMENDED

S-202004.05
Course Parking
Hartley
That the following list of courses will be parked and removed Undergraduate Academic Calendar.
Effective date: April 1, 2020
CARRIED

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

An executive summary for Anthropology was included in the meeting package.

Motions S-202004.06 - .14 were carried as an omnibus.

S-202004.06
Program and Course(s) Deletion – Anthropology
Deo
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.
Effective date: September 2020
CARRIED

~~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.~~

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~~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~~

S-202004.07
Change(s) to Program Requirements – Major in Anthropology
Deo
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.
Effective date: September 2020
CARRIED

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

S-202004.08
Change(s) to Program Requirements – Anthropology Credit Hours
Deo
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.
Effective date: September 2020
CARRIED

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.

S-202004.09
Change(s) to Program Requirements – Minor in Anthropology – Archaeological Anthropology
Deo
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.
Effective date: September 2020
CARRIED

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
ANTH 250-3 The Ancient Egyptians

~~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) ~~Special~~ Topics in Archaeology
ANTH 409-3 British Columbia Archaeology
ANTH 416-6 Archaeological Survey and Mapping
ANTH 417-(3-6) Excavation and Field Interpretation in Archaeology
ANTH 418-3 Archaeology and First Nations
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

S-202004.10
Change(s) to Program Requirements – Minor in Anthropology – Biological Anthropology
Deo
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.
Effective date: September 2020
CARRIED

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 Plagues 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

S-202004.11
Change(s) to Program Requirements – Minor in Anthropology – General Anthropology
Deo
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.
Effective date: September 2020
CARRIED

Minor in Anthropology: General Anthropology

The minor in General Anthropology requires completion of a minimum ~~a total~~ of ~~six~~ seven courses (~~18~~ 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.

S-202004.12
Change(s) to Program Requirements – Minor in Anthropology – Sociocultural Anthropology
Deo
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.
Effective date: September 2020
CARRIED

Minor in Anthropology: Sociocultural Anthropology

The minor in Sociocultural Anthropology requires completion of a minimum ~~a 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). 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~~ ~~12~~ 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

S-202004.13
New Course Approval – ANTH 313
Deo
That the addition of ANTH 313, Plagues and Peoples as a new course in Major in Anthropology, be approved as proposed.
Proposed semester of first offering: September 2020
CARRIED

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.

S-202004.14
Change(s) to Program Description - Anthropology
Deo
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.
Effective date: September 2020
CARRIED

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.

S-202004.15
Change(s) to Course Title and Description – ANTH 300
Hartley
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.

Effective date: September 2020
CARRIED

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

S-202004.16
Change(s) to Course Title and Description – ANTH 303
Hartley
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.
Effective date: September 2020
CARRIED

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

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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

S-202004.17
Change(s) to Course Title and Description – ANTH 310
Hartley
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.
Effective date: September 2020
CARRIED

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

S-202004.18
Change(s) to Course Title and Description – ANTH 311
Hartley
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.
Effective date: September 2020
CARRIED

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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

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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

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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

S-202004.19
Change(s) to Course Title and Description – ANTH 312
Hartley
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.
Effective date: September 2020
CARRIED

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

ANTH 312-3 Human Adaptability and Environmental Stress

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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

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
Hartley
the 2019/2020 PDF undergraduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

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

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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

S-202004.21
Change(s) to Course Title and Description – ANTH 450
Hartley
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.
Effective date: September 2020
CARRIED

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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

S-202004.22
Course Deletion – ANTH 209
Hartley
That the deletion of the ANTH 209 Pacific Ethnography page184 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

~~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~~

S-202004.23
Course Deletion – ANTH 304
Hartley
That the deletion of the ANTH 304 Kinship and Social Organization on pages 60 and185 of the 2019/2020 PDF undergraduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

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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

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~~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~~

S-202004.24
Course Deletion – ANTH 316
Hartley
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.
Effective date: September 2020
CARRIED

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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

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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

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~~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~~

S-202004.25
Course Deletion – ANTH 419
Hartley
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.
Effective date: September 2020
CARRIED

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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

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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

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~~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~~

S-202004.26
Course Deletion – ANTH 619
Hartley
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.
Effective date: September 2020
CARRIED

(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~~

S-202004.27
Changes to Program Requirements – Disability Management
Hartley
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.
Effective date: September 2020
CARRIED

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.

S-202004.28
Changes to Program Requirements – Health Sciences MSc
Haslett
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.
Effective date: September 2020
CARRIED

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.

An executive summary for Global and International Studies was included in the meeting package.

S-202004.29
Change(s) to Course Preclusions – INTS 407
Hartley
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.
Effective date: September 2020
CARRIED

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

Motions S-202004.30-.33 were carried by an omnibus motion.

S-202004.30
New Course Approval – INTS 425

Aravind
That the new course INTS 425-3, Sustainability Problem Solving be approved as proposed.
Proposed semester of first offering: September 2020
CARRIED

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.

Prerequisites: INTS 225
Precluded: INTS 625-3

S-202004.31
New Course Approval – INTS 625
Aravind
That the new course INTS 625-3, Sustainability Problem Solving be approved as proposed.
Proposed semester of first offering: September 2020
CARRIED

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.

Precluded: INTS 425-3

S-202004.32
New Course Approval – INTS 607
Aravind
That the new course INTS 607-3, Global Economy and Development be approved as proposed.
Proposed semester of first offering: September 2020
CARRIED

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.

Precluded: INTS 407-3, ECON 401-3, ECON 601-3

S-202004.33
Change(s) to Program Requirements – International Studies
Aravind
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.
Effective date: September 2020
CARRIED

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

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, bBroadly 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 bBoth 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 (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.

Motions S-202004.34-.36 were carried by an omnibus motion.

S-202004.34
Change(s) to Course Description – NURS 619
Horianopolous

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.
Effective date: September 2020
CARRIED

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

S-202004.35
Change(s) to Course Description – NURS 620
Horianopolous
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.
Effective date: September 2020
CARRIED

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

S-202004.36
Change(s) to Course Description – NURS 703
Horianopolous
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.
Effective date: September 2020
CARRIED

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

S-202004.37

Memorandum of Understanding – Coast Mountain College
Jackson
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.
Effective date: September 2020
CARRIED

An executive summary for Political Science and Philosophy was included in the meeting package.

Motions S-202004.38-.46 were carried by an omnibus motion.

S-202004.38
Change(s) to Program Requirements – Joint Major Economics/Political Science
Deo
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.
Effective date: September 2020
CARRIED

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).

S-202004.39
Change(s) to Program Requirements – Joint Major English/Political Science
Deo
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.
Effective date: September 2020
CARRIED

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).

S-202004.40
Change(s) to Program Requirements – Joint Major Geography/Political Science
Deo
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.
Effective date: September 2020
CARRIED

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).

S-202004.41
Change(s) to Program Requirements – Joint Major History/Political Science
Deo
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.
Effective date: September 2020
CARRIED

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).

S-202004.42

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

Deo

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.

Effective date: September 2020

CARRIED

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).

S-202004.43
Change(s) to Program Requirements – Joint Major Political Science/Women's Studies
Deo
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.
Effective date: September 2020
CARRIED

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~~political ~~S~~science or ~~W~~women's ~~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 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).

S-202004.44
Change(s) to Program Requirements – Major Political Science
Deo
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.
Effective date: September 2020
CARRIED

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).

S-202004.45

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

Deo

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.

Effective date: May 2020

CARRIED

PHIL 201-3 Philosophy of Science

~~A service~~ This course ~~intended to~~ introduces students to the conceptual~~/~~ and logical foundations of science~~s~~. 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~~

S-202004.46

New Course Approval – PSYC 436

Deo

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

Proposed semester of first offering: September 2020

CARRIED

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.

Prerequisites: 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.

S-202004.47
Change(s) to Course Prerequisites/Co-requisites - FSTY 201
Jackson
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.
Effective date: September 2020
CARRIED

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~~

Motions S-202004.48-.52 were carried by an omnibus motion.

S-202004.48
New Course Approval – MATH 481
Hartley
That the new course in MATHEMATICS, MATH 481–3, Analytic Number Theory, be approved as proposed.
Proposed semester of first offering: September 2020
CARRIED

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.

Prerequisites: MATH 201, MATH 302 and MATH 480

S-202004.49
New Course Approval – MATH 681
Hartley
That the new course in MATHEMATICS, MATH 681–3, Analytic Number Theory, be approved as proposed.
Proposed semester of first offering: September 2020
CARRIED

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.

Prerequisites: Permission of instructor
Precluded: MATH 481-3

S-202004.50
New Course Approval – MATH 740
Hartley
That the new course in MATHEMATICS, MATH 740-(1-6) Advanced Topics in Mathematics, be approved as proposed.
Proposed semester of first offering: September 2020
CARRIED

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.

Prerequisites: Permission of instructor

S-202004.51
New Course Approval – MATH 436
Hartley
That the new course in MATHEMATICS, MATH 436–3, Partial Differential Equations 1, be approved as proposed.
Proposed semester of first offering: September 2020
CARRIED

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.

Prerequisites: MATH 336, or MATH 302 & MATH 230, or Instructor's Permission
Precluded: ~~MATH 436-3~~

S-202004.52
New Course Approval – MATH 636
Hartley
That the new course in MATHEMATICS, MATH 636–3, Partial Differential Equations 1, be approved as proposed.
Proposed semester of first offering: September 2020
CARRIED

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.

Prerequisites: MATH 336, or MATH 302 & MATH 230, or Instructor's Permission
Precluded: MATH 436-3

An executive summary for Environmental Science was included in the meeting package.

Motions S-202004.53-.82 were carried by an omnibus motion.

S-202004.53
Change(s) to Program Requirements – BSc Environmental Science
Deo
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.
Effective date: September 2020
CARRIED

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

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~~ ensures 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
BIOL 201-3	Ecology
BIOL 203-3	Microbiology
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
CHEM 210-3	Analytical Chemistry I
ENSC 111-1	Introduction to Environmental Science
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 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
ENVS 414-3 Environmental and Professional Ethics
NREM 306-3 Society, Policy and Administration
~~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 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.

S-202004.54
Change(s) to Program Requirements – Minor in Aquatic Science
Deo
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.
Effective date: September 2020
CARRIED

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
ENSC 202-3	Introduction to Aquatic Systems
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~~

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
GEOG 405-3	Fluvial Geomorphology

*Students must ensure that all prerequisites are fulfilled prior to registering in any course.

S-202004.55

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

Deo

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.

Effective date: September 2020

CARRIED

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.

S-202004.56

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

Deo

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.

Effective date: September 2020

CARRIED

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

S-202004.57

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

Deo

That the changes to the program requirements for the Minor in Soils and the Environment on page117 of the 2019/2020 undergraduate calendar, be approved as proposed.

Effective date: September 2020

CARRIED

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
~~BIOL 123-1~~	~~Introductory Biology I Laboratory~~
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 307-3	Introduction to Geochemistry
ENSC 325-3	Soil Physical Processes and the Environment
ENSC 435-3	Soil Biological 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 that all prerequisites are fulfilled prior to registering in any course. ~~they have the appropriate prerequisites to take these courses.~~

S-202004.58
Change(s) to Program Requirements – Minor in Environmental Science
Deo
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.
Effective date: September 2020
CARRIED

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
ENPL 305-3 Environmental Impact Assessment
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

S-202004.59

Change(s) to Calendar Description

Deo

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.

Effective date: September 2020
CARRIED

Environmental Science ~~and Engineering~~ (ENSC)

S-202004.60
Change(s) to Course Description and Prerequisites - ENSC 202
Deo
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.
Effective date: September 2020
CARRIED

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, a~~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

S-202004.61
Change(s) to Course Description - ENSC 307
Deo
That the changes to the course description for ENSC 307-3 on page 221 of the 2019/20 undergraduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

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

S-202004.62
Change(s) to Course Description and Prerequisites - ENSC 308
Deo
That the changes to the course description for ENSC 308-3 on page 221 of the 2019/20 undergraduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

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, $PM_{2.5}$, 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

S-202004.63
Change(s) to the Course Prerequisites - ENSC 312
Deo
That the changes to the course prerequisites for ENSC 312-3 on page 221 of the 2019/20 undergraduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

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

S-202004.64
Change(s) to Course Prerequisites - ENSC 325
Deo
That the changes to the course prerequisites for ENSC 325-3 on page 221 of the 2019/20 undergraduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

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~~

S-202004.65
Change(s) to Course Prerequisites and Preclusions - ENSC 404
Deo
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.
Effective date: September 2020
CARRIED

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

S-202004.66
Change(s) to Course Prerequisites and Preclusions - ENSC 406
Deo
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.
Effective date: September 2020
CARRIED

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

S-202004.67
Change(s) to Course Prerequisites and Preclusions - ENSC 607
Deo
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.
Effective date: September 2020
CARRIED

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

S-202004.68
Change(s) to Course Description and Prerequisites - ENSC 408
Deo

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.
Effective date: September 2020
CARRIED

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

S-202004.69
Change(s) to Course Description and Prerequisites - ENSC 608
Deo
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.
Effective date: September 2020
CARRIED

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

S-202004.70
Change(s) to Course Prerequisites - ENSC 412
Deo
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.
Effective date: September 2020
CARRIED

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

S-202004.71
Change(s) to Course Description and Prerequisites - ENSC 418
Deo
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.
Effective date: September 2020
CARRIED

ENSC 418-3 Environmental Measurement and Analysis This ~~is a~~ capstone 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).

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

S-202004.72
Change(s) to Course Description - ENSC 618
Deo
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.
Effective date: September 2020
CARRIED

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

S-202004.73
Change(s) to Course Prerequisites - ENSC 435
Deo
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.
Effective date: September 2020
CARRIED

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

S-202004.74
Change(s) to Course Prerequisites - ENSC 440
Deo
That the change to the prerequisites for ENSC 440-(2-6) on page 222 of the 2019-2020 undergraduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

ENSC 440-(2-6) Internship This course m~~M~~ay be repeated to a ~~for credit (~~maximum of 6 ~~six~~ credit hours~~)~~.

Prerequisites: 60 credit hours and p~~P~~ermission of the instructor and Program Chair

S-202004.75
Change(s) to Course Prerequisites - ENSC 450
Deo
That the change to the prerequisites for ENSC 450-3 on page 222 of the 2019-2020 undergraduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

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 labs~~, where~~ in which students are expected to apply theories and methods ~~learned~~ covered in lectures to solve practical problems using computer~~s 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

S-202004.76
Change(s) to Course Description, Prerequisites and Preclusions - 452
Deo
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.
Effective date: September 2020
CARRIED

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

S-202004.77
Change(s) to Course Description - ENSC 652
Deo
That the changes to the course description for ENSC 652-3 on page 110 of the 2019-2020 graduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

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

S-202004.78
Change(s) to Course Description and Preclusions - 454
Deo
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.
Effective date: September 2020
CARRIED

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

S-202004.79
Change(s) to Course Description - ENSC 654
Deo
That the changes to the course description for ENSC 654-3 on page 110 of the 2019-2020 graduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

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

S-202004.80
Change(s) to Course Prerequisites - ENSC 498
Deo
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.
Effective date: September 2020
CARRIED

ENSC 498-(1-6) Special Topics This course examines s~~S~~elected 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 p~~P~~ermission of the instructor and Program Chair

S-202004.81

Change(s) to Course Prerequisites - 499
Deo
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.
Effective date: September 2020
CARRIED

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 m~~M~~ay be repeated ~~for credit (~~ to a maximum of 6 ~~six~~ credit hours~~).~~ if the material is substantially different.

Prerequisites: 60 credit hours and p~~P~~ermission of the instructor and Program Chair

S-202004.82
Course Deletion - ENSC 660
Deo
That ENSC 660-3 on page 110 of the 2019-2020 graduate calendar, be deleted as proposed.
Effective date: September 2020
CARRIED

~~**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~~

Motions S-202004.83-.90 were carried by an omnibus motion.

S-202004.83
Change(s) to Course Title and Description – GEOG 204
Tannert
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.
Effective date: September 2020
CARRIED

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

S-202004.84
Change(s) to Course Title and Description – GEOG 300
Tannert
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.

Effective date: September 2020
CARRIED

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

S-202004.85
Change(s) to Course Title and Description – GEOG 413
Tannert
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.
Effective date: September 2020
CARRIED

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

S-202004.86
Change(s) to Program Description and Requirements – Minor GIS
Tannert
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.
Effective date: September 2020
CARRIED

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~~

S-202004.87
Change(s) to Program Description and Requirements – Major Geography
Tannert
That the change(s) to the Major in Geography (BSc) on page 139 of the 2019/2020 undergraduate calendar, be approved as proposed.
Effective date: September 2020
CARRIED

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

S-202004.88
Change(s) to Program Requirements – Minor Physical Geography
Tannert
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.
Effective date: September 2020
CARRIED

GEOG 300-3 Intermediate GIS ~~Geographic Information Systems~~

S-202004.89
Change(s) to Program Requirements – Minor Geomorphology
Tannert
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.
Effective date: September 2020
CARRIED

GEOG 300-3 Intermediate GIS ~~Geographic Information Systems~~

S-202004.90
Change(s) to Course Pre-requisites– GEOG 357
Tannert
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.
Effective date: September 2020
CARRIED

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

S-202004.91
Change(s) to Program Requirements – BSc Wildlife and Fisheries
Tannert
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.
Effective date: September 2020
CARRIED

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

S-202004.92
Change(s) to Program Requirements – Joint Major in Environmental and Sustainability Studies
Tannert
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.
Effective date: September 2020
CARRIED

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

Motions S-202004.93-.94 were carried by an omnibus motion.

S-202004.93
Change(s) to Program Requirements – BA Nature-Based Tourism Management
Jackson
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.
Effective date: September 2020
CARRIED

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~~

S-202004.94
Change(s) to Program Requirements – BA Nature-Based Tourism Management, Environment and Society
Jackson
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.
Effective date: September 2020
CARRIED

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~~

S-202004.95
Change(s) to Program Requirements – BSc Forest Ecology and Management
Aravind
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.
Effective date: September 2020
CARRIED

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

Motions S-202004.96-.97 were carried by an omnibus motion.

S-202004.96
Change(s) to Program Requirements – BSc Conservation Science and Practice, Wildland Conservation and Recreation
Haslett
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.
Effective date: September 2020
CARRIED

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

S-202004.97

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

Haslett

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.

Effective date: September 2020

CARRIED

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

S-202004.98
Change(s) to Program Requirements – BSc (Integrated)
Deo
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.
Effective date: September 2020
CARRIED

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

S-202004.99
Change(s) to Program Requirements – BA Environmental and Sustainability Studies
Deo
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.
Effective date: September 2020
CARRIED

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

S-202003.100
Change(s) to the Calendar - English Requirements
Jackson
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
CARRIED

11.3 Steering Committee of Senate **Payne**

For Approval:

S-202003.101
Removal of SCAAF Research Ethics Board (REB) as a Subcommittee
Haslett
That the SCAAF Research Ethics Board (REB) be removed as a subcommittee of SCAAF and from the Senate Handbook.
Effective date: Upon Approval of Senate
CARRIED

S202004.102
SCAAF Membership
Hartley
That the membership of the Senate Committee on Academic Affairs and subsequently the Senate Handbook be approved as proposed in principle.
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)
CARRIED

S-202004.103
SCAD Membership
Deo
That the membership of the Senate Committee on Admissions and Degrees and subsequently the Senate Handbook be approved as proposed in principle.
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)
CARRIED

11.4 Senate Committee on Nominations

For Approval:

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

No motion. Nominations to be sent to the Goverance Officer.

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

No report.

11.6 Senate Committee on Admissions and Degrees — Annear

S-202004.105

Change(s) to Intake Dates – Master of Education Multidisciplinary Leadership Specialization
Deo
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.
Effective date: January 2020
CARRIED

Application for Admission Deadline* Dates

Refer to 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**	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, January, or May Semester.

S-202004.106
Change(s) to Calendar – Undergraduate Admissions Requirements
Nyce
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.
Effective date: September 2020

CARRIED

Admission Requirements by Degree Groups

Bachelor of Arts	Bachelor of Fine Arts *see program regulations*	Bachelor of Commerce
English 12 or English First Peoples 12**	English 12 or English First Peoples 12**	English 12 or English First Peoples 12**
Three Approved Grade 12 Courses*	Portfolio Three Approved Grade 12 Courses*	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***
Minimum admission average	Minimum admission average	Minimum admission average
65%	67%	65%

Bachelor of Planning & Bachelor of Science
English 12 or English First Peoples 12**
Three Approved Grade 12 Courses*
Pre-Calculus 12 recommended for prerequisite purposes
A fifth Grade 12 course*** 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; if you wish to apply to our Terrace campus, please apply through CMNT at www.coastmountaincollege.ca~~

~~† 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******~~ ~~***see program regulations***~~	~~**Bachelor of Health Sciences**~~ ~~***see program regulations***~~	~~**Environmental Engineering**~~ ~~***see program regulations***~~
~~**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 †**~~ ~~see program regulations~~	~~**Two provincially examinable Science 12 courses:**~~ ~~**Chemistry 12**~~ ~~**Physics 12 (recommended)**~~ ~~**Chemistry 11**~~ ~~**see program regulations**~~
~~**A fifth Grade 12 course*****~~	~~**Pre-Calculus 12 recommended for prerequisite purposes**~~	~~**A fifth Grade 12 course*****~~
~~**Minimum admission average**~~ ~~**67%**~~	~~**A fifth Grade 12 course*****~~ ~~**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; if you wish to apply to our Terrace campus, please apply through CMNT at www.coastmountaincollege.ca~~

~~† 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.*~~

High School admission average is based on a calculation of the average grade of five required grade 12 courses.

		Five Grade 12 Courses Required For Admission					
Program	Major	1	2	3	4	5	Other requirements

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	Approved Academic	Approved Academic	Approved Academic	Fifth	

		English First Peoples 12	mic Grade 12 Course	Grade 12 Course	Grade 12 Course	C o ur se	
	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	Fi ft h C o ur se	
	History	English Studies 12 or English First Peoples 12	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fi ft h C o ur se	
	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	Fi ft h C o ur se	
	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	Fi ft h C o ur se	
	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	Fi ft h C o ur se	
	Public Administration & Community Development	English Studies 12 or English First	Approved Academic Grade	Approved Academic Grade 12 Course	Approved Academic Grade 12 Course	Fi ft h C o	

		Peoples 12	12 Course			ur se	
	Women's Studies	English Studies 12 or English First Peoples 12	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	Pre-calculu	Physics 12 or Applied Physics 12	Approved Academic	Fifth	

		English First Peoples 12	s 12 (67%)		Grade 12 Course	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 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	English Studies 12 or	Approved Grade	Anatomy & Physiology 12 (70%)	Approved Academic	Fifth	Chemistry 11 (70%)

	Health: Environmental Health	English First Peoples 12	12 Course		Grade 12 Course	Course	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.

11.7 Senate Committee on First Nations and Aboriginal Peoples **Ryan**

The Provost reported that SCFNAP is currently reviewing suggested language surrounding terminology. Feedback from Senate committees and small groups is being gathered and motion will be presented to Senate.

11.8 Senate Committee on Honourary Degrees and Special Forms of Recognition **Payne**

The Interim President provided an update on Convocation plans for this year, including:

- Awarding HD, student awards, Professor Emeritus and UEA at in person event TDB
- Student awards also to be included in the virtual ceremony
- Indication of Professor Emeritus E and UEA in 2020 electronic program
- Depending on the format of the in person ceremonies, additional HD nomination process may or may not happen
- Postponed format to be determined in summer

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.
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
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.

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.
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.
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.
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.
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.
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.
Effective Date: 2020-2021 Academic Year

SCSB20200325.13 *(approved)*
SCSB 2019-2020 Annual Report
That the SCSB 2019-2020 Annual Report be approved.
Effective Date: March 2020

11.10 Senate Committee on University Budget

No report.

11.0 Information

None.

12.0 Other Business

None.

13.0 S-202004.107
Move to the Closed Session
Hartley
That the meeting move to Closed Session.
CARRIED

15.0 S-202004.111
Adjournment
General Consent

That the Senate meeting be adjourned.
CARRIED

The meeting adjourned at 4:33 p.m.