

UNBC Ecosystem Science & Management
College of Science and Management

Undergraduate Research Theses

Date	Title	Topic	Thesis Supervisor	Contact Info	Second Reader	Contact Info	Chair
Past Research Theses, examples only:							
Apr-06		Investigating microsatellite loci as genetic markers in geographically separated populations of the mountain pine beetle (<i>Dendroctonus ponderosa</i>); validation of existing markers	Dr. Brent Murray	(250) 960-5638			
Apr-06		Response of aspen meristems to simulated moose browsing at different times of the growing season	Dr. Art Fredeen, Roy Rea	(250) 960-5847 (250) 960-5833			
Apr-07		Determining macro-scale dispersal patterns by comparison of genetic patterns in the Mountain Pine Beetle (<i>Dendroctonus ponderosa</i>) and its Symbiotic Fungus <i>Ophiostoma clavigerum</i>	Dr. Brent Murray	(250) 960-5638	Dr. Kathy Lewis	(250) 960-6659	
Apr-07		Investigation of molecular genetic techniques for assessment of allelic intron and exon variation of a MHC class II B gene in Scaleless Carp (<i>Gymnocypris przewalskii</i>)	Dr. Brent Murray	(250) 960-5638	Dr. Stephen Rader	(250) 960-6216	
Apr-07		A comparison of the survival and growth between two planting regimes: frozen plugs vs. thawed plugs using lodgepole pine	Dr. Scott Green	(250) 960-5817	Dr. Hugues Massicotte	(250) 960-5813	
07/08		Cross-species amplification of microsatellite loci in <i>Dendroctonus ponderosae</i> and other <i>Dendroctonus</i> species using <i>Dendroctonus rufipennis</i> primer sequences	Dr. Brent Murray	(250) 960-5638	Dr. Dezene Huber	(250) 960-5119	
		Microsatellite analysis of hairs from a canyon-dwelling mountain goat population in Alberta	Dr. Brent Murray	(250) 960-5638	Dr. Chris Johnson	(250) 960-5357	
2009 Research Theses, examples only:							
Sep-09	Genome size of the Mountain Pine Beetle (MPB)	Use of several techniques to estimate the size of the MPB genome	Dr. Dezene Huber	(250) 960-5119	Dr. Brent Murray	(250) 960-5638	Dr. Kathy Lewis
Sep-09	Bark beetle P450s	Expression and characterization of enzymes involved in detoxification of host secondary metabolites	Dr. Dezene Huber	(250) 960-5119	Dr. Andrea Gorrell	(250) 960-6217	Dr. Kathy Lewis
Sep-09	Evaluation of Mountain Goat Growth and Harvest Data (1997 -2007)	Examine mountain goat horn growth through analysis of hunter compulsory reporting data collected between 1997 and 2007. The analyses will explore regional differences in horn growth and harvest trends.	Dr. Mike Gillingham	(250) 960-5825	Dr. Katherine Parker	(250) 960-5812	Dr. Kathy Lewis

