

ENVIROSCI Thesis 4490E/4999E (2026-2027)

Professor	Department	Thesis topic
Liana Zanette	Biology	1. The Ecology of Fear: using fear of predators as a conservation tool - from birds to African elephants.
Alina Shchepetkina	Earth Sciences	1. Characterization of organic matter in deep-ocean sediments using RockEval and TOC 2. Revealing climate change across the Eocene-Oligocene Transition in the South Atlantic Ocean using geochemistry (XRF, stable isotopes) 3. Climate change across the Paleocene-Eocene Thermal maximum in the South Atlantic Ocean using geochemical signals (XRF, stable isotopes)
Wyatt Bain	Earth Sciences	1. Age dating of IOA mineralization and associated intrusions from the Beuna Vista Fe deposit, NV (Methods: Apatite U-Pb dating and Sm-Nd analysis, SEM imaging) 2. Characterization of Platinum group minerals (PGM) in Cu-Au ore from alkalic porphyry deposits in the Iron Mask Intrusion, BC (Methods: SEM imaging, XRD, EPMA/LA-ICPMS) 3. Characterization of ore forming fluids associated with Ag mineralization in the Keno Hill deposit, YK. (Methods: Microthermometry, SEM imaging, CL) 4. Characterization of Co, Te, and Bi minerals in Fe Skarns from the Wrangel Terrane of western BC. (Methods: SEM imaging, XRD, EPMA/LA-ICPMS)
Katsu Goda	Earth Sciences	1. Effects of newly identified subduction interface in Panama Microblock on earthquake and tsunami hazards 2. Tsunami vs deformation hazards associated with the Leech River Valley Fault in southwestern BC
Katrina Eyvindson	Geography and Environment	1. Links between weather and physical properties of a pond in London, Ontario 2. Physical Properties of Mountain Lakes Under Ice
Gordon Osinski	Earth Sciences	1. Investigating the extent of ice loss for glaciers on Devon Island, Canadian High Arctic, and implications for climate change.

		2. An analysis of Apollo 16 impact breccias: Preparing for Artemis and the return of humans to the Moon. 3. Origin of Sudbury Breccia in the Sudbury impact structure and implications for PGE metallogenesis.