

ENVIROSCI Thesis 4490E/4999E (2025-2026)

Professor	Department	Thesis topic
Liana Zanette	Biology	The Ecology of Fear: using fear of predators as a conservation tool - from birds to African elephants.
Egide Kalisa	Epidemiology and Biostatistics	Projects related to air quality monitoring, modelling, and laboratory experiments to understand human exposure to toxic environmental pollutants
Elizabeth Webb	Earth Sciences	Project related to soil health, forest fire and climate proxies
Gordon Osinski	Earth Sciences	Mapping glacier change on Devon Island, Nunavut: Climate change in Canada's North
Alina Shchepetkina	Earth Sciences	-Trace fossils as time capsules: Climate change in South Atlantic Ocean -Early signs of life: trace fossils in the Cambrian rocks of SW Ontario
Wyatt Bain	Earth Sciences	-Assessing the composition of platinum group element (PGE)-bearing molten salt in magmatic sulphide deposits from northern Ontario - Characterizing the textures and mineralogy of PGE- and Co-rich mineralization from the New Afton and copper-king porphyry deposits using mineral liberation analysis (MLA) data sets and SEM - Calculating mass balance of metals, sulphur, and trace element between host rocks and alteration associated with Fe skarns in the Wrangell terrane of Western BC
Lisa Schielicke	Physics and Astronomy	-Seasonal Trends and Shifts in Tornado Climatology in North America -Investigating Recent Trends in Heatwaves Across Canada
Jamie Baxter	Geography and Environment	Projects related to social construction of risk, community responses to technological hazards, and renewable energy policy (expect a survey component)
Dazhi Jiang	Earth Sciences	Determination and analysis of shape-preferred orientation (SPO) fabrics from selected crustal shear zones
Jeremiah Shuster, Jisuo Jin	Earth Sciences	Characterization of Stromatolitic Structures from Kakabeka Falls, Ontario
Geneviève Metson	Geography and Environment	Review webpage for projects: https://www.srmlab.ca
James Voogt	Geography and Environment	-Urban climates and thermal remote sensing -Green roof microclimates (including observationally based projects)
Fred Longstaffe	Earth Sciences	- Stable isotope tracing of lake-effect precipitation in the Great Lakes region and its implications for regional climate change. -Chemical and mineralogical changes in clay minerals and their significance for O- and H-isotope exchange mechanisms during low temperature (90-150 °C) water-rock interaction.
Angela Roberts	Computer Science	SuperAging Research Initiative projects
Vera Tai	Biology	Developing molecular and genetic tools to monitor the diversity of phytoplankton in aquatic ecosystems