

Graduate/Modular Course

FIELD COURSE!

GEOL 5326

**AUGUST 24 -
SEPTEMBER 4**

Rouyn-Noranda, QC

Mineral Exploration in Volcanic Terrains

Register now for this two-week "back to basics" **FIELD COURSE**, designed to develop geologic mapping skills directed at base and precious metal exploration in volcanic terrains.

Students will gain a practical working knowledge of geological mapping. The geological environment will include submarine volcanic and sedimentary lithofacies, volcanic products and processes, and alteration assemblages and structures associated with volcanogenic massive sulfide (VMS) deposits.

The Archean Noranda mining districts contain world-class VMS and Au-rich VMS deposits, including the 10 Moz Horne deposit and smaller orogenic gold deposits.

Noranda is located <4km north of the Cadillac-Larder Lake Break, an ancestral structure, which has localized world-class orogenic gold districts along its 280 km strike length.

The Noranda district has well-preserved and spectacularly well-exposed, mineralized volcanic rocks, which range from greenschist to mid-amphibolite metamorphic grade, and are variably deformed.

There is no better opportunity to hone your skills and gain valuable practical experience.

Prerequisites

Advanced undergraduate-level courses in Geology.

Course Format

This field course is delivered as a mapping project with evening lectures and discussions following a one-day introductory field trip. An introduction to graphic core logging is provided. Mapping is conducted in teams.

Course Credit

3 credits, applicable toward thesis-based or coursework-based MSc and PhD programs. Industry participants may apply the the course to meet continuing education and professional development requirements for Professional Registration.

Evaluation

Course grade based on map and final report consisting of an exploration proposal for base metals in map area.

Course Cost for Industry Participants (CDN)

Regular:

\$5,000 + 13% HST = \$5,650

Regular early bird (*by June 30*):

\$4,000 + 13% HST = \$4,520

MERC member:

\$4,000 + 13% HST = \$4,520

MERC member early bird (*by June 30*):

\$3,200 + 13% HST = \$3,616

Course Cost for Enrolled University Students

Laurentian students are to follow standard registration procedure. Graduate students enrolled in other Ontario universities will register through the Ontario Visiting Graduate Student Program and pay fees directly to their university.

Field fee: \$2,000 plus tuition.

Class size is limited to 20 students.



Learn more:

hes.laurentian.ca/modular-courses

For more information and registration:

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Laurentian University
Université Laurentienne

HARQUAIL School of Earth Sciences
École des sciences de la Terre

MERC

Mineral Exploration Research Centre
at the HARQUAIL School of Earth Sciences