

# Graduate/Modular Course

FIELD COURSE!

**GEOL 5326**

**AUGUST  
19 - 30**

*(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

Field school with lectures.

### Course Credit

3 credits, applicable toward thesis-based or coursework-based MSc and PhD programs; also applicable toward continuing education and continuing professional development requirements for Professional Registration.

### Grading

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

### Course notes

Colour digital images of all presentations will be provided in Adobe pdf format. Notes remain the intellectual property of the presenter and may contain unpublished and/or confidential and copyrighted information, not for reproduction.

### Course Cost for

#### Industry Participants (CDN)

\$4,000 + HST = includes course tuition, return transportation from Sudbury, hotel breakfast, and double-occupancy lodging at Quality Inn, Rouyn-Noranda. Lunch and dinner are the students' responsibility.

#### 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.

Class size is limited to 20 students.

For further details and to register, email Roxane Mehes at [rmehes@laurentian.ca](mailto:rmehes@laurentian.ca) or phone 705-675-6575.

### Course Coordinator

Dr. Ross Sherlock, Mineral Exploration Research Centre (MERC)  
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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