

**THE FACULTY OF SCIENCE, ENGINEERING AND ARCHITECTURE INVITES APPLICATIONS FOR PART-TIME TEACHING CONTRACTS**

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| School:  | <b>Harquail School of Earth Sciences</b>   |  |  |
| Course Title   | <b>Advanced Mineralogy</b>   |  |  |
| Course Code, section   | <b>GEOL 4127EL</b>   | # Paid credits:  | <b>3</b>   |
| <b>Course Description (from the University web page):</b>  |  |  |  |
| <p>This course... An applied course designed to provide students with detailed information on specific minerals and mineral groups along with the analytical techniques used to identify and characterize them. Mineralogical topics to be discussed may include mineralogy of massive sulphide ore deposits (Fe-Ni-Cu sulfides), phase equilibria of the Fe-Ni-Cu-PGE ternary, Fe-Ti oxides, alteration minerals (chlorite, amphiboles, white micas) and application of their distribution to ore deposit exploration, the distribution, occurrence and synthesis of platinum-group minerals, classification of clay phyllosilicates, crystal chemistry and classification of zeolites, adsorptive and ion exchange properties of clays, mineralogy of ochre and laterite deposits, and alteration of primary Fe-Ni-Cu sulfides. Analytical topics to be discussed may include powder and single-crystal X-ray diffraction, Rietveld analysis of X-ray data, electron-microbeam techniques (scanning electron microscopy, wavelength- and energy-dispersive spectrometry), FTIR/Raman spectroscopy, and ICP-MS techniques. Students considering this course are strongly recommended to discuss the course content with the appropriate instructor prior to registration. PREREQ: GEOL 2126 and GEOL 3807. (lec 3, lab 3) cr 3.</p> |  |  |  |
| <b>If two courses (sections) are simultaneously taught or cross-listed :</b>   |  |  |  |
| <b>2<sup>nd</sup> Course Title :</b>   |  |  |  |
| <b>2<sup>nd</sup> Course Code, section :</b>   |  | # Paid credits:  | <b>0</b>   |
| <b>2<sup>nd</sup> Course Description</b>   |  |  |  |
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| <b>Method of delivery of this course :</b>   |  | <b>On campus, in-person</b>  |  |
| Term Start Date:   | <b>January 1, 2027</b>   | End of Contract:<br>(plus time for potential appeals)                        | <b>April 30, 2027</b>  |
| Class Start Date :   | <b>January 4, 2027</b>   | Class End Date:  | <b>April 6, 2027</b>   |
| Classroom:   | <b>B5017/B506<br/>2</b>  | Class Times: <b>LEC: Monday – 16:00-18:50/LAB:<br/>Wednesday 16:00-18:50</b> | <b>Time flexible (Y/N):</b> <span style="background-color: yellow;"> </span> |
| # of Classes:  | <b>24 lectures + 12 labs</b>   | Projected Enrolment:   | <b>Approx 25</b>   |
| Examination Period:  | <b>April 9 to May 1, 2027</b>  |  |  |
| Note:  | <b>Grades are due fourteen (14) calendar days following the final exam of the course.</b>          |  |  |
| Degree Required:   | <b>Ph.D.</b>   |  |  |
| Remuneration:  | Total rate of pay inclusive of all benefits and vacation pay specified in the Collective Agreement |  |  |

In accordance with Article 4.15.14, applicants shall send a **letter of application**, a **current CV**, and any relevant supporting documentation to:

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| Director:  | <b>Dr. Stéphane Perrouty</b>             |
| School:  | <b>Harquail School of Earth Sciences</b> |
| Laurentian University, 935 Ramsey Lake Road ONTARIO, P3E 2C6 |  |
| Emails:  | <b>sperrouty@laurentian.ca</b>           |
| and  | <b>rmehes@laurentian.ca</b>              |
| Closing Date:  | <b>May 8, 2026</b>                       |

Please note that all appointments are made by the Dean on behalf of the Vice-President, Academic and are subject to final budgetary approval. The University reserves the right to cancel the course if there is insufficient enrolment. Other positions may become available. Applicants should contact the Department Chair directly for more information.

Laurentian University is an inclusive and welcoming community and encourages applications from members of equity-seeking communities including women, racialized and Indigenous persons, persons with disabilities, and persons of all sexual orientations and gender identities/expressions.

Laurentian University faculty members are part of LUFA (the Laurentian University Faculty Association). The Collective Agreement can be found at [www.lufappul.ca](http://www.lufappul.ca).

**Methods of course delivery:**

On campus, in-person

ONLINE (via LU ONLINE)

Synchronous REMOTE and scheduled

Synchronous HYBRID and scheduled

| TERM | Start/End dates           | TERM | Start/End dates  |
|------|---------------------------|------|--|
| F    | 1 September – 31 December | SF   | 1 May - 2 <sup>nd</sup> Saturday of 2 <sup>nd</sup> week of June                           |
| FW   | 1 September – 30 April    | SS   | Mon, 3 <sup>rd</sup> wk June - 2 <sup>nd</sup> last Sat July (last Sat for ONLINE courses) |
| W    | 1 January – 30 April      | SP   | 1 May – 2 <sup>nd</sup> last Sat July (last Sat for ONLINE courses)                        |
|      |                           | SU   | 2 <sup>nd</sup> last Mon July to 31 August   |