

Teaching Assistant positions – EPSC and ESYS, Winter 2022

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

The Terrestrial Planets – EPSC 180

Instructor:

Olivia Jensen

Estimated Number of Positions:

5

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Knowledge of the course subject and material. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

Please note that given the resumption of most in-person teaching activities, Teaching Assistants will be required on campus to perform their tasks in person. Should government restrictions prohibit the resumption of in-person teaching activities, courses will revert to remote teaching. In the event of such a change, Teaching Assistants will be advised as soon as possible. Teaching Assistants may be required to perform tasks suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill myCourses learning management system.

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Environmental Geology – EPSC 181

Instructor:

Eric Galbraith

Estimated Number of Positions:

4

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Knowledge of the course subject and material. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

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Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Astrobiology – EPSC 186

Instructor:

Nicolas Cowan

Estimated Number of Positions:

6

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Knowledge of the course subject and material. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

Please note that given the resumption of most in-person teaching activities, Teaching Assistants will be required on campus to perform their tasks in person. Should government restrictions prohibit the resumption of in-person teaching activities, courses will revert to remote teaching. In the event of such a change, Teaching Assistants will be advised as soon as possible. Teaching Assistants may be required to perform tasks suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill myCourses learning management system.

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Understanding Planet Earth – EPSC 201

Instructor:

Olivia Jensen

Estimated Number of Positions:

7

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Knowledge of the course subject and material. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

Please note that given the resumption of most in-person teaching activities, Teaching Assistants will be required on campus to perform their tasks in person. Should government restrictions prohibit the resumption of in-person teaching activities, courses will revert to remote teaching. In the event of such a change, Teaching Assistants will be advised as soon as possible. Teaching Assistants may be required to perform tasks suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill myCourses learning management system.

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Introductory Petrology – EPSC 212

Instructor:

William Minarik

Estimated Number of Positions:

2

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Have taken an introductory petrology course, or demonstrate equivalent knowledge. Must be familiar with metamorphic and/or igneous petrology and be able to recognize the common rock-forming minerals in hand specimen. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

Please note that given the resumption of most in-person teaching activities, Teaching Assistants will be required on campus to perform their tasks in person. Should government restrictions prohibit the resumption of in-person teaching activities, courses will revert to remote teaching. In the event of such a change, Teaching Assistants will be advised as soon as possible. Teaching Assistants may be required to perform tasks suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill myCourses learning management system.

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Properties of Minerals – EPSC 225

Instructor:

Jeanne Paquette

Estimated Number of Positions:

2

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Knowledge of the course subject and material. Familiarity with the properties in hand specimens of the main ore and rock-forming minerals is an asset. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

Please note that given the resumption of most in-person teaching activities, Teaching Assistants will be required on campus to perform their tasks in person. Should government restrictions prohibit the resumption of in-person teaching activities, courses will revert to remote teaching. In the event of such a change, Teaching Assistants will be advised as soon as possible. Teaching Assistants may be required to perform tasks suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill myCourses learning management system.

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Invertebrate Paleontology – EPSC 334

Instructor:

Jeanne Paquette

Estimated Number of Positions:

2

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Knowledge of the course subject and material. Knowledge of the main kinds of marine invertebrate fossils in hand specimens is an asset. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

Please note that given the resumption of most in-person teaching activities, Teaching Assistants will be required on campus to perform their tasks in person. Should government restrictions prohibit the resumption of in-person teaching activities, courses will revert to remote teaching. In the event of such a change, Teaching Assistants will be advised as soon as possible. Teaching Assistants may be required to perform tasks suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill myCourses learning management system.

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Igneous Petrology – EPSC 423

Instructor:

Don Baker

Estimated Number of Positions:

2

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Have a working knowledge of computer programming, preferably Matlab, and have taken an undergraduate course in geochemistry and an upper-level undergraduate or graduate course in igneous petrology that includes petrography. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable. Background in identifying and describing sedimentary rocks preferred.

Please note that given the resumption of most in-person teaching activities, Teaching Assistants will be required on campus to perform their tasks in person. Should government restrictions prohibit the resumption of in-person teaching activities, courses will revert to remote teaching. In the event of such a change, Teaching Assistants will be advised as soon as possible. Teaching Assistants may be required to perform tasks suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill myCourses learning management system.

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Sediments to Sequences – EPSC 425

Instructor:

Galen Halverson

Estimated Number of Positions:

2

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Have taken a course in advanced stratigraphy or have acquired equivalent knowledge. Basic knowledge of R or Matlab. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

Please note that given the resumption of most in-person teaching activities, Teaching Assistants will be required on campus to perform their tasks in person. Should government restrictions prohibit the resumption of in-person teaching activities, courses will revert to remote teaching. In the event of such a change, Teaching Assistants will be advised as soon as possible. Teaching Assistants may be required to perform tasks suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill myCourses learning management system.

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Modelling Geochemical Processes– EPSC 547

Instructor:

Don Baker

Estimated Number of Positions:

1

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Must have demonstrated ability in the thermodynamics and kinetics of complex minerals and melts, the computer modelling of geochemical processes and experience in programming in the Matlab environment. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

Please note that given the resumption of most in-person teaching activities, Teaching Assistants will be required on campus to perform their tasks in person. Should government restrictions prohibit the resumption of in-person teaching activities, courses will revert to remote teaching. In the event of such a change, Teaching Assistants will be advised as soon as possible. Teaching Assistants may be required to perform tasks suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill myCourses learning management system.

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Hydrogeology – EPSC 549

Instructor:

TBA

Estimated Number of Positions:

2

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Have taken a hydrogeology or groundwater engineering course, or demonstrate equivalent knowledge. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

Please note that given the resumption of most in-person teaching activities, Teaching Assistants will be required on campus to perform their tasks in person. Should government restrictions prohibit the resumption of in-person teaching activities, courses will revert to remote teaching. In the event of such a change, Teaching Assistants will be advised as soon as possible. Teaching Assistants may be required to perform tasks suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill myCourses learning management system.

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Ore-forming Processes – EPSC 561

Instructor:

Anthony E Williams-Jones

Estimated Number of Positions:

1

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Knowledge of the course subject and material. Must have an ore deposits/geochemistry background. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

Please note that given the resumption of most in-person teaching activities, Teaching Assistants will be required on campus to perform their tasks in person. Should government restrictions prohibit the resumption of in-person teaching activities, courses will revert to remote teaching. In the event of such a change, Teaching Assistants will be advised as soon as possible. Teaching Assistants may be required to perform tasks suited to a remote/online teaching environment using a virtual learning platform [e.g., Zoom, WebEx] and the McGill myCourses learning management system.

Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

The Earth System – ESYS 104

Instructor:

William Minarik

Estimated Number of Positions:

4

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Knowledge of the course subject and material. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

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Hiring Unit:

Earth and Planetary Sciences

Course Title and Course Number:

Earth System Processes – ESYS 200

Instructor:

Peter Douglas, Bernhard Lehner

Estimated Number of Positions:

2

Total Hours of Work per Term:

80

Position Start Date:

January 2, 2022

Position End Date:

April 23, 2022

Position Summary:

Under the general supervision of course instructor. Prepares course material (including laboratory preparation if applicable). Performs grading and maintains grading records. Assists with tutoring. Performs related duties.

Qualifications:

B.Sc. degree. Enrollment in Earth & Planetary Sciences M.Sc. or Ph.D. graduate program. Knowledge of the course subject and material. Must be organized and approachable. Ability to deal effectively with diverse range of people. English, spoken and written. Ability to read French desirable.

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