

**EESC20H3 GEOCHEMISTRY**  
**Fall term 2019**

Lecture	Tutorial
Mondays 1-3pm in Room MW 120	Thursdays 12-1pm in Room IC 230
<b>Instructor:</b> Professor M.J. Simpson	<b>Instructor:</b> Ms. Meiling Man
<b>Office:</b> Room SY322	<b>Office:</b> Room SY315
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<b>Office Hours:</b> TBD or by appointment	<b>Office Hours:</b> by appointment

**COURSE DESCRIPTION:** The course will cover fundamental aspects of chemical processes occurring at the Earth's surface. Terrestrial and aquatic geochemical processes such as: mineral formation and dissolution, redox, aqueous-solid phase interactions, stable isotopes, and organic geochemistry in the environment will be covered.

**PREREQUISITES:** CHMA10H3, CHMA11H3, and EESB15H3. **EXCLUSIONS:** EESD32H3, CHM210H, GLG202H, GLG351H. *All students must have the appropriate prerequisites for this course.*

**GRADE BREAKDOWN:**

Assignment 1: Geochemical modelling and solution chemistry 13%

Assignment 2: Sorption and exchange processes 13%

There is no required textbook for this course and lecture notes will cover all topics in detail.

Lecture notes (as a pdf) will be posted on Quercus. Examination material will include

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emphasized lecture material as discussed in either the lecture or tutorial sessions. Key points will be summarized in class using the Checkpoint slides.

**PLAGIARISM**

Normally, students will be required to submit their course essays to Turnitin.com for a review of

