

## ERSC (GEOG) 2P17 Earth Science Methods

Introduction to the study and description in the field and the lab of surficial deposits, sedimentary, igneous and metamorphic rocks: analysis of geological maps and imagery.



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## ERSC 2P17 - Introduction

- Greg Finn
  - Room ST 13<sup>th</sup> Floor
  - [Greg.Finn@brocku.ca](mailto:Greg.Finn@brocku.ca)
- First 4 weeks/13 lectures
- Lectures:
  - Monday, Wednesday and Friday
  - 9:00 - 10:00 in D308
- Laboratory
  - Tuesday 2:00 - 5:00 in D308



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## ERSC 2P17 - Outline

- **Part I - Igneous and Metamorphic Rocks - 33%**
  - 4 weeks
- Part II – Sedimentary Rocks - 33%
  - Keith Tinkler – 4 weeks
- Part III - Analysis of geological maps and imagery - 34%
  - Frank Fueten – 4 weeks

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## ERSC 2P17 - Part I

- No Specific Text - year 1 text +
- Lectures notes available on WWW at:
  - [www.brocku.ca/earthsciences/people/gfinn/methods/2p17.html](http://www.brocku.ca/earthsciences/people/gfinn/methods/2p17.html)
- Evaluation
  - Progress Exam (1) 18%
  - **Friday October 5, 2007**
  - Labs (4) + Library Assignment (1) 15%

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## ERSC 2P17 - Lectures

- Minerals
  - definition, naming, classes, groups, physical properties
  - minerals you need to know
- Igneous Rocks
  - formation, environments, textures, classification
- Metamorphic Rocks
  - formation, environments, textures, classification
- Geology of Ontario (Time permitting)

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## ERSC 2P17 - Labs

- September 11
  - Minerals – refresher and identification
- September 18
  - Igneous Rocks - identification and description
- September 25
  - Metamorphic Rocks - identification and description
- October 2
  - BRocks Lab – on campus field trip
- October 9
  - Library assignment

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## ERSC 2P17 - Labs

- Due to the large enrollment in the course, the lab will be split in two, 1.5 hour blocks, from 2:00 to 3:30 and from 3:30 to 5:00
  - Group I – Beacham to Laviolette
  - Group II – Long to Zanatta
- Each lab is to be completed individually, no group work will be accepted
- Labs are due on Friday, at the beginning of the Lecture
  
- TA – Heather Racher
  - Room D438A

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## Academic Conduct

- Each student is responsible for their own work
- **Academic misconduct** is deliberate dishonesty and includes, but is not limited to, the following forms:
  - Impersonation of a candidate in an exam or test.
  - Copying a laboratory report, or allowing someone else to copy one's report
  - Allowing someone else to do the laboratory work.
- **Plagiarism** means presenting work done (in whole or in part) by someone else as if it were one's own. Associate dishonest practices include faking or falsification of data, cheating, or the uttering of false statements by a student in order to obtain unjustified concessions (FHB, III 15.1)
- It is your responsibility to understand what constitutes academic misconduct. For information on the various kinds of academic dishonesty please refer to the current Brock University Undergraduate Calendar.  
(<http://www.brocku.ca/webcal/current/undergrad/areg.html#sec17>)

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