

## **Geology of Québec paper and presentation**

### **EPSC 240, Geology in the Field**

Presentations: November 28 (presentation file due via email by noon that day)

Papers: Due December 4 at 5 pm (submit via email)

#### **Instructions:**

##### **Paper (14%)**

Write a paper of 2000 words on the topic you sign up for (see list below). The word limit includes figure captions, glossary, and reference list. Your paper should provide a comprehensive overview of general information on your topic (think of a *really good, somewhat long* Wikipedia article). Your paper can include as many figures as you like, taken from the web, government documents, and/or journal articles. Reference every image that you use with a link or citation in the figure caption. References should be cited in the text ('author, year' format), usually every sentence or every other sentence, in the style of a journal article. At the end of the paper, include an alphabetized list of all the references cited in the paper, whether cited in the text, figure captions, etc. The paper should be written for an audience of your peers (students who have taken one or two courses in geology). Thus, clearly define any new terms you introduce in a brief glossary at the end of the paper.

##### **Presentation (4%)**

In the last lab meeting (Nov 28), each student will present their topic for 10 minutes. Your presentation file should be submitted by noon that day (email me the file; if it's too big, use Google Drive or Dropbox and send me the link, or you may bring it on a memory stick). Presentations should give a general introduction to the topic, in as much detail as possible. Include geologic maps, rock descriptions, and tectonic history. Your overview should leave the audience with a clear understanding of the events that shaped the region in the time period you are focused on, and how the geology came to be in its current configuration. Rehearsing your talk beforehand is highly recommended!

##### **Peer review (2%)**

As you watch each presentation, you will fill out a recommendation sheet for the presenter to help them improve their grade on their paper. Positive feedback is nice, but can be somewhat unhelpful. Details and specific suggestions can contribute more to improvement. I will collect your recommendation sheets and distribute them to the presenters.

##### **Topics for Québec geology report**

1. Modern Saint Lawrence estuary (present-day depositional environment)
2. Hudson Bay lowlands (glacial-modern)
3. Glacial geology of Quebec, e.g., Champlain Sea (Neogene)
4. Monteregian Hills (Cretaceous)
5. Saint Lawrence lowlands (Paleozoic)
6. Appalachian foreland - ophiolites (Paleozoic)
7. Appalachian foreland - Dunnage and Humber Zones (Paleozoic)
8. Grenville Orogen (Proterozoic)
9. Labrador Trough (Archean-Proterozoic)
10. Abitibi region gold (Archean)
11. Superior Province (Archean)