

## Biology 4311 Fall 2014 – Course Outline – Erika North, instructor

### Overview

- Survey of bryophytes and lichens
  - Bryophytes include mosses, liverworts and hornworts
- Characteristics, evolution and ecology
- Use of identification keys
  - Knowledge of terminology
  - Examination of known specimens

### Textbooks

- “Liverworts and Hornworts of Ontario”
  - Only text required to purchase (\$10)
- For Mosses, the out-of-print publication by R.R. Ireland will be used
- For Lichens, “Key to Lichens of Minnesota” by C. Wetmore will be used

### Course work

- Lab work (bryophytes) – 15 marks
- Mid term exam (bryophytes) – 30 marks
- Lichen collection – 10 marks
- Lab work (lichens) – 15 marks
- Final exam (lichens) – 30 marks
  
- (Lichen collection of 5 specimens, but not of fruticose or large foliose lichens, identified and prepared as herbarium specimens)