

# BIOLOGY 3SS3: Population Ecology

Winter 2016

*Uploaded January 3, 2016 to <https://bio3ss.github.io/materials/outline.pdf>.*

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**Course Co-ordinator:** Marvin Gunderman [gundermn@mcmaster.ca](mailto:gundermn@mcmaster.ca)

**Teaching assistants:** Caroline Cauret; Morgan Kain; Michael Li

**Lectures:** Tue, Wed, Fri at 9:30 AM in MDCL-1105.

**Tutorials:** Beginning the week of 11 Jan

## Course material

- The course will cover the following topics:
  - Population dynamics; Age structure and life history; Human population growth; Competition; Exploitation;
- The primary course material is the lectures, and associated lecture notes, available on AtL
  - It is recommended to print the lecture notes and bring them to class to make additional notes
- You are required to have an Ecology textbook. We recommend the current 2F textbook: Molles and Cahill, Second Canadian Edition.
- You will need an approved calculator for the tests; it is recommended that you bring this to class as well.
- You should install the free computer program R from the website <http://www.r-project.org/> on a computer that you will be able to work with.
- Additional readings will be made available on AtL

## Evaluation

- Assignments 10%
- Two midterms, 50% (25% each)
  - Fri 5 Feb and Fri 11 Mar, in class
- Final exam 40%
  - Will be scheduled by the Registrar
- Extra credit will be given for class participation
- Midterms and final will be cumulative, but will emphasize new material more than already-tested material

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**Missing tests:** Illnesses or other personal circumstances must be reported following the procedures laid out by the Associate Dean's Office <http://www.science.mcmaster.ca/associatedean/>. In most cases, missed tests will be addressed by reweighting the other tests.

**Academic Integrity:** You are expected to exhibit honesty and use ethical behavior in all aspects of the learning process. Academic credentials you earn are rooted in principles of honesty and academic integrity. Academic dishonesty can result in serious consequences, including a notation on the transcript, or suspension or expulsion from the university. It is your responsibility to understand what constitutes academic dishonesty; for more information please refer to the Academic Integrity Policy at <http://www.mcmaster.ca/academicintegrity>, and to our course policy on collaboration at <http://lalashan.mcmaster.ca/theobio/3SS/index.php/Collaboration>.

### Online component:

We will be using the learning software Avenue to Learn. Students should be aware that private information such as first and last names, user names for the McMaster e-mail accounts, and program affiliation may be visible to other students in the course. By taking this course you consent to this disclosure. If you have any questions or concerns about this, please discuss them with the course instructor.