

**Applied Conservation Biology  
BIOD54H3, EES3000H**

**Winter 2016**

**Instructor**

Nicholas E. Mandrak, Ph.D.

Office: SW560; Office Hours: Tuesdays 3-4 PM or by appointment

E-mail: [nicholas.mandrak@utoronto.ca](mailto:nicholas.mandrak@utoronto.ca)

Note: I will only respond to course-related e-mails sent from an official University of Toronto e-mail address.

**Lectures:** Tuesdays 11-1, HW214

**Tutorials:** Tuesdays 2-3, MW140 (refer to schedule)

**Teaching Assistants**

BIOD54H3 – Fielding Montgomery ([fielding.montgomery@mail.utoronto.ca](mailto:fielding.montgomery@mail.utoronto.ca))

EES3000H – Rowshyra Castaneda ([rowshyra.castaneda@mail.utoronto.ca](mailto:rowshyra.castaneda@mail.utoronto.ca))

**Prerequisite:** BIOC63H3 (Conservation Biology) or equivalent.

**Course Overview**

Canada has a complex conservation landscape. Through lectures and interactive discussions with leading Canadian conservation practitioners, this course will examine how conservation theory is put into practice in Canada from our international obligations to federal and provincial legislation and policies.

**Course Objectives**

By the end of this course, you will have the information required:

- To understand the role of science in government.
- To understand terrestrial and aquatic biodiversity patterns in Canada.
- To understand how conservation theory is put into practice to protect terrestrial and aquatic biodiversity, with emphasis on the federal level.
- To understand the science behind COSEWIC and SARA.

**Required Readings and Lecture Notes**

Electronic versions of required readings and lecture notes will be placed on the Blackboard course website before, or immediately after, the lecture. In the case of primary literature, a link to the library electronic version will be provided. Posting of the presentations of guest lectures will be at the discretion of the guest. **It is highly recommended that you take additional notes during lectures and tutorials. All assigned readings and material covered during lectures and tutorials will form the subject matter for the examinations.**

## **Evaluation**

Mid-term Examination (25%) – **February 23, 2016**

Final Examination (25%) - **TBA**

Scientific Report (30%) – **Due March 15, 2016**

Independent Assignment (10%) – **Due March 22, 2015**

Lecture and Tutorial Participation (10%)

## **Attendance**

Students are REQUIRED to attend both the lectures and the tutorial. Note: Only fully completed official University of Toronto Illness Verification forms will be accepted for consideration ([www.illnessverification.utoronto.ca](http://www.illnessverification.utoronto.ca)). Other notes will not be accepted.

## **Emergency Planning**

Students are advised to consult the university's preparedness site (<http://www.preparedness.utoronto.ca>) for information and regular updates regarding procedures relating to emergency planning.

## **Accessibility Needs**

The University of Toronto is committed to accessibility. If you require accommodations for a disability, or have any accessibility concerns about the course, the classroom or course materials, please contact The UTSC Accessibility Services as soon as possible: <http://www.utsc.utoronto.ca/~ability/>.

We also suggest you also refer to the following University of Toronto Scarborough Library link: <http://utsc.library.utoronto.ca/services-persons-disabilities>

## **Plagiarism**

University of Toronto code of Behaviour on Academic Matters states that "it shall be an offense for a student knowingly: to represent as one's own any idea or expression of an idea or work of another in any academic examination or term test or in connection with any other form of academic work, i.e., to commit plagiarism."

For accepted methods of standard documentation formats, including electronic citation of internet sources please see the UofT writing website at:

<http://www.writing.utoronto.ca/advice/using-sources/documentation>

The full Code of Behaviour regulations could be found from consulting

<http://www.sgs.utoronto.ca/facultyandstaff/Pages/Academic-Integrity.aspx>

Normally, students will be required to submit their course essays to Turnitin.com for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their essays to be included as source documents in the Turnitin.com reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of the Turnitin.com service are described on the Turnitin.com web site.

## Writing and English Language

As well as the faculty writing support, please see English Language and writing support at University of Toronto: <http://www.sgs.utoronto.ca/currentstudents/Pages/English-Language-and-Writing-Support.aspx>

## Schedule

Date	Lecture	Tutorial
Jan 5	Introduction; The Role of Science in Government	Discuss scientific report and independent assignment
Jan 12	Conservation and Biodiversity at the Federal Level	EES3000 – Paper Discussion
Jan 19	Federal Protected Areas	Gilles Seutin, EC
Jan 26	Federal Marine Protected Areas	BIOD54 – Paper Discussion
Feb 2	COSEWIC	EES3000 – Paper Discussion
Feb 9	COSEWIC	BIOD54 – Paper Discussion
Feb 16	<b>Reading Week</b>	
Feb 23	<b>Midterm Examination</b>	<b>Optional – Eric Taylor, Chair, COSEWIC, Feb 25 at 2:00</b>
Mar 1	Species at Risk Act - Aquatic	Lynn Bouvier, DFO
Mar 8	Species at Risk Act - Terrestrial	Becky Cudmore, DFO
Mar 15	Invasive Species	TBA
Mar 22	Conservation and Biodiversity at the Provincial Level - Terrestrial	Bill Crins, OMNRF (retired)
Mar 29	Conservation and Biodiversity at the Provincial Level - Aquatic	Scott Reid, OMNRF