

Environmental and Resource Studies/Science  
TRENT UNIVERSITY

2240H: Assessment for Natural Resource Management  
2010-11 FA  
Peterborough

<b>Instructor:</b> Dr. Shaun Watmough		<b>Email:</b> swatmough@trentu.ca	
<b>Office Location:</b> ESB A132	<b>Office Hours:</b> Tue: 4-5pm or by appointment	<b>Telephone:</b> ex 7876	

<b>Secretary:</b> Deb Mills		<b>Email:</b> Dmills@trentu.ca	
<b>Office Location:</b> ESB B202		<b>Telephone:</b> ex. 7199	

<b>Technician/ Laboratory Coordinator:</b> Dorothy Howard Gill ESB C201.1 (office hours: Mon 9-12)		<b>Email:</b> dhoward@trentu.ca	
<b>Teaching Assistants:</b> Andrew Ecclestone		<b>Email:</b> andrewecclestone@trentu.ca	
Deborah Garreau		deborahgarreau@trentu.ca	
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**Course**

**Course Description:**

A natural resource is derived from the environment. Some natural resources are vital for our survival while others are utilized by humans. In this course we discuss field survey design, techniques and theory of assessing natural resources, including consideration of watershed and local scales, biotic indices, soils, hydrology and policy/legal issues. There are no required textbooks.

**Communication:** All communication regarding the course will be through announcements in the lectures or through Trent's WebCT system. The instructors will attempt to post lecture notes on WebCT before each lecture. To access WebCT, students must be registered in the course, and have access to a computer (computer access is provided by various shared facilities throughout the university; if you need to use these and are unfamiliar with them, contact the Course or Laboratory Coordinator).

**Lectures:** 2 h/week (Tuesday 5 – 6.50pm)

**Laboratories:** fortnightly, 3/h week (students will be assigned to one of five sessions held fortnightly)

**Course Format:**

Please check <http://www.trentu.ca/admin/mytrent/Timetable> to confirm times and locations.

**Lecture schedule: FPHL 117**

<b>week</b>	<b>Date</b>	<b>lecture topic</b>
1	Sept 14	Introduction to Natural Resource Management
2	Sept 21	Soils/Geology
3	Sept 28	Vegetation
4	Oct 5	Hydrology/Water Resources
5	Oct 12	Air/Precipitation
6	Oct 19	MOE Guest
	Oct 26	<b>reading week</b>
7	Nov 2	Animal Biotic Indices
8	Nov 9	Source Water Protection (Guest)
9	Nov 16	Paleo-environmental studies – past, present and future
10	Nov 23	Using our Natural Resources
11	Nov 30	Legislation, government guidelines, case study
12	Dec 7	Summary

**Laboratory schedule: ESC A202**

<b>weeks</b>	<b>start date</b>	<b>lab topic</b>	<b>Weighting (%)</b>	<b>Due date</b>	<b>deliverable</b>
2 +4	Sept 15	Vegetation Analysis	25	Oct 22	full report
6 +8	Oct 12	Precipitation Analysis	25	Nov 26	full report
10	Nov 17	Stream Ecology	10	Dec 3	full report
			10	N/A	Short answer
2-12	N/A	In-class Quiz/assignment			
		Final Exam	30		

**Excel Help Sessions:**

In this course, each lab will require some data analysis and it is strongly encouraged to attend an excel help session in the first week if you feel you are in need of a refresher.

Help Sessions will be held in BL210 on:

Wed 15<sup>th</sup>: 1-3pm and 3-5pm

Thur 16<sup>th</sup>: 9-11am and 11-1pm

Please sign up with Dorothy Howard at the end of the first lecture period

## University Policies

### **Academic Integrity:**

Academic dishonesty, which includes plagiarism and cheating, is an extremely serious academic offence and carries penalties varying from a 0 grade on an assignment to expulsion from the University. Definitions, penalties, and procedures for dealing with plagiarism and cheating are set out in Trent University's *Academic Integrity Policy*. You have a responsibility to educate yourself – unfamiliarity with the policy is not an excuse. You are strongly encouraged to visit Trent's Academic Integrity website to learn more: [www.trentu.ca/academicintegrity](http://www.trentu.ca/academicintegrity).

### **Access to Instruction:**

It is Trent University's intent to create an inclusive learning environment. If a student has a disability and/or health consideration and feels that he/she may need accommodations to succeed in this course, the student should contact the Disability Services Office (BL Suite 109, 748-1281, [disabilityservices@trentu.ca](mailto:disabilityservices@trentu.ca)) as soon as possible. Complete text can be found under Access to Instruction in the Academic Calendar.

### **Late Penalties:**

Late assignments will be penalized at **5% per day** (excluding weekends) up to a maximum of one week. Assignments will not be accepted after this time.

**Please see the Trent University academic calendar for University Diary dates, Academic Information and Regulations, and University and departmental degree requirements.**

**Last date to withdraw from Fall term half courses without academic penalty in 2010-11 is November 12, 2010.**