# Course Outline Form: Fall 2016

## General Information

**Course Code:**

ENVS\*2120DE

**Course Title:**

Introduction to Environmental Stewardship

**Course Description:**

This course provides an introduction to the concepts of resource management, environmental planning and assessment, land stewardship and sustainable development. Case studies of specific issues such as parks and natural heritage conservation, agricultural land loss, and integrated rural resources management will provide insight on approaches to decision making. Included will be discussion of the concept of stewardship as an environmental ethics. (Distance Education format.)

**Credit Weight:**

0.5

**Academic Department (or campus):**

**Campus:**

**Semester Offering:**

Fall 2016

**Class Schedule and Location:**

## Instructor Information

Instructor Name: Professor Alan Watson

Instructor Email: awatson@uoguelph.ca

Office location and office hours: Alexander Hall Room 333. To set up an appointment contact me by email.

## GTA Information

GTA Name: TBA

GTA Email:

GTA office location and office hours:

## Course Content

### Specific Learning Outcomes:

1. Students will inventory the abiotic and abiotic components of a natural area and create an environmental inventory

2. Students will review the characteristics that make up the physical landscape.

3. Students will relate the characteristics of the physical landscape to the process of environmental stewardship.

4. Students will assess the components of effective land management and apply the principles of public and private land management to carrying out field work.

5. Students will examine the land use planning process in Ontario

6. Students will apply Official Plans to land planning in local communities

7. Students will assess the limitations of the planning process, especially in terms of public involvement.

8. Students will analyze the concept of private stewardship.

9. Students will critique sustainable development within a global context.

10. Students will reflect on their own environmental ethics.

### Lecture Content:

Unit 01: Carrying Out an Environmental Inventory

Unit Menu:

* 1.1 Introduction
* 1.2 Learning Outcomes
* 1.3 What is an Environmental Inventory?
* 1.4 Conducting an Environmental Inventory
  + 1.4.1 Choosing a Site
  + 1.4.2 Before Going into the Field: Background Data
  + 1.4.3 Understanding Maps
  + 1.4.4 Maps and Scale
  + 1.4.5 Making a rough sketch map
  + 1.4.6 Field Data
* 1.5 The Biotic Components
  + 1.5.1 Identifying the Biotic Components
  + 1.5.2 Documenting the Biotic Components
  + 1.5.3 Quantitative Inventory
* 1.6 The Abiotic Components
* 1.7 The Cultural Components
* 1.8 Summary
* 1.9 References

Unit 02: Exploring and Understanding the Larger Landscape

Unit 2 Menu:

* 2.1 Introduction
* 2.2 Learning Outcomes
* 2.3 Finding Examples of Environmental Stewardship
* 2.4 Assignment Guidelines
* 2.5 Collecting Information
  + 2.5.1 Using Maps
  + 2.5.2 Abiotic Components
  + 2.5.3 Biotic and Cultural Components on the Landscape
* 2.6 Summary
* 2.7 References

Unit 03: Public Land Management

Unit Menu:

* 3.1 Introduction
* 3.2 Learning Outcomes
* 3.3. National Parks
  + 3.3.1 The Early History of National Parks in Canada
  + 3.3.2 Introduction of the National Parks Systems Plan
  + 3.3.3 Establishment of New Parks
  + 3.3.4 Local Residents
  + 3.3.5 The Increasing Role of Canada's Aboriginal Peoples
* 3.4 Provincial Protected Areas: Parks, Conservation Reserves and Wilderness Areas
  + 3.4.1 The History of provincial Parks in Ontario
  + 3.4.2 The Parks and Conservation Reserves Act of 2006
  + 3.4.3 Resource Management Plans In Provincial Protected Areas and National Parks
  + 3.4.4 Making a Management Plan
  + 3.4.5 Zoning
* 3.5 Issues Affecting Provincial and National Parks Today
* 3.6 The Key Role of Non-Government Conservation Groups
* 3.7 Municipal Parks and Open Space
* 3.8 Summary
* 3.9 References

Unit 04: The Land Use Planning System

Unit Menu:

* 4.1 Introduction
* 4.2 Learning Outcomes
* 4.3 Land Use Planning In Ontario: From Province Wide Vision to Zoning By-Laws
* 4.4 Provincial Government
  + 4.4.1 Ontario's Planning Act
  + 4.4.2 Provincial Policy Statement
  + 4.4.3 The Places to Grow Act and Region Specific Provincial Plans
  + 4.4.4 Environmental Stewardship through Land Use Planning
* 4.5 Municipal Government
  + 4.5.1 Official Plans
  + 4.5.2 Secondary Plans
  + 4.5.3 Zoning
  + 4.5.4 Severance and Subdivision
* 4.6 Public Participation
* 4.7 Conflicts: The Ontario Municipal Board
* 4.8 Conservation Authorities
* 4.9 Environmental Assessments
* 4.10 Summary
* 4.11 References

Unit 05: Private Land Stewardship

Unit Menu:

* 5.1 Introduction
* 5.2 Objectives
* 5.3 What is Private Land Stewardship?
* 5.4 History of Private Land Stewardship in Ontario
* 5.5 Private Land Stewardship Initiatives in Ontario
* 5.5.1 Natural Heritage Stewardship Program
* 5.5.2 Environmental Farm Plan Program
* 5.5.3 Ontario Stewardship (1997-2011) and beyond
* 5.6 Education as Stewardship
* 5.7 Private Stewardship Methods
* 5.8 Conservation Authorities
* 5.9 Private Stewardship Initiatives in Canada
* 5.10 Summary
* 5.11 References

Unit 06: Reflections on Sustainable Development: Think Globally and Act Locally

Unit Menu:

6.1 Introduction

6.2 Objectives

6.3 History of the Conservation Movement in Canada

6.4 Sustainable Development

6.5 State of the World

* 6.5.1 Climate Change

6.6 Global Efforts of Stewardship

* 6.6.1 Montreal Protocol
* 6.6.2 Kyoto Protocol and the Paris Agreement

6.7 Summary: Personal and Community Based Environmental Action

6.8 References

### Labs:

### Seminars:

### Course Assignments and Tests:

| **Assignment or Test** | **Due Date** | **Contribution to Final Mark (%)** | **Learning Outcomes Assessed** |
| --- | --- | --- | --- |
| Assignment 1: Book Report | 10% | Week 3 | 4, 9, 10 |
| Assignment 2: Conducting an Environmental Inventory | 35% | Week 5 | 1, 2, 3, |
| Assignment 3: Getting to Know Your Own Landscape | 40% | Week 11 | 2, 3, 4, 5, 6 |
| Assignment 4: Reflective Essay (Take Home Final) | 15%  December 7 | Final Examination Period | 7, 8, 9, 10 |

### Final examination date and time:

December 7, Take Home Final

### Final exam weighting:

15%

## Course Resources

### Required Texts:

Leopold, Aldo. *A Sand County Almanac. With Essays on Conservation From Round River.* A Ballantine Book Published by Random House Publishing Group 1966. ISBN 0-345-34505-3

### Recommended Texts:

### Lab Manual:

### Other Resources:

### Field Trips:

### Additional Costs:

## Course Policies

### Grading Policies:

Turnitin:

In this course, we will be using Turnitin, integrated with the CourseLink Dropbox tool, to detect possible plagiarism, unauthorized collaboration or copying as part of the ongoing efforts to maintain academic integrity at the University of Guelph.

All submitted assignments will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin.com service is subject to the Usage Policy posted on the Turnitin.com site.

A major benefit of using Turnitin is that students will be able to educate and empower themselves in preventing academic misconduct. In this course, you may screen your own assignments through Turnitin as many times as you wish before the due date. You will be able to see and print reports that show you exactly where you have properly and improperly referenced the outside sources and materials in your assignment.

Extensions Policy:

Any request for an extension must be e-mailed to awatson@uoguelph.ca before the assignment due date. Your e-mail request for an extension must have your completed work to date for the assignment attached. No extension will be granted if you have not completed what I consider to be a reasonable amount of work on the assignment.

Policy on Late Assignments:

Any assignment submitted after the due date will be considered late and there will be grade reductions based upon the following schedule:

* 1st, 2nd and 3rd day late: 10% of assignment grade value reduction for each day.
* 4th and subsequent days late: an additional 5% of assignment grade value reduction for each day.

### Course Policy on Group Work:

Group work is not allowed for any of the graded activities.

### Course Policy regarding use of electronic devices and recording of lectures:

Electronic recording of classes is expressly forbidden without consent of the instructor. When recordings are permitted they are solely for the use of the authorized student and may not be reproduced, or transmitted to others, without the express written consent of the instructor.

## University Policies

### Academic Consideration:

The University of Guelph is committed to supporting students in their learning experiences and responding to their individual needs and is aware that a variety of situations or events beyond the student's control may affect academic performance. Support is provided to accommodate academic needs in the face of personal difficulties or unforeseen events in the form of Academic Consideration.

Information on regulations and procedures for Academic Consideration, Appeals and Petitions, including categories, grounds, timelines and appeals can be found in [Section VIII (Undergraduate Degree Regulations and Procedures) of the Undergraduate Calendar](https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml).

### Academic Misconduct:

The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community, faculty, staff, and students to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring.

University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection. Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

Detailed information regarding the Academic Misconduct policy is available in [Section VIII (Undergraduate Degree Regulations and Procedures) of the Undergraduate Calendar](https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml).

### Accessibility:

The University of Guelph is committed to creating a barrier-free environment. Providing services for students is a shared responsibility among students, faculty and administrators. This relationship is based on respect of individual rights, the dignity of the individual and the University community's shared commitment to an open and supportive learning environment. Students requiring service or accommodation, whether due to an identified, ongoing disability or a short-term disability should contact the Student Accessibility Services (SAS), formerly Centre for Students with Disabilities (CSD), as soon as possible.

For more information, contact SAS at 519-824-4120 ext. 56208 or email sas@uoguelph.ca or visit the [Student Accessibility Services website (http://www.uoguelph.ca/csd/)](http://www.uoguelph.ca/csd/).

### Course Evaluation Information:

End of semester course and instructor evaluations provide students the opportunity to have their comments and opinions used as an important component in the Faculty Tenure and Promotion process, and as valuable feedback to help instructors enhance the quality of their teaching effectiveness and course delivery.

While many course evaluations are conducted in class others are now conducted online. Please refer to the [Course and Instructor Evaluation Website](https://courseeval.uoguelph.ca/) **for more information.**

### Drop period:

The drop period for single semester courses starts at the beginning of the add period and extends to the Fortieth (40th) class day of the current semester (the last date to drop a single semester courses without academic penalty) which is listed in [Section III (Schedule of Dates) of the Undergraduate Calendar](https://www.uoguelph.ca/registrar/calendars/).

The drop period for two semester courses starts at the beginning of the add period in the first semester and extends to the last day of the add period in the second semester.

Information about Dropping Courses can be found in [Section VIII (Undergraduate Degree Regulations and Procedures) of the Undergraduate Calendar](https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml).