

Introduction to Environmental Sustainability– ENST 200

University Studies Program

Course Outline

COURSE IMPLEMENTATION DATE:	Pre 1998
OUTLINE EFFECTIVE DATE:	September 2021
COURSE OUTLINE REVIEW DATE:	March 2026

GENERAL COURSE DESCRIPTION:

This course examines the central concepts of environmental sustainability and considerations for development. Students are introduced to the complexity and debate of developing resource-based industries and minimizing impacts to ecosystems and communities. Planning and management strategies for various industries, as well as the role of various agencies and organizations, will be examined with specific examples.

Program Information: This course can be used as either a required course or an elective in several University Studies Programs. Refer to the College Program guide for additional information.

Delivery: This course is delivered face to face and online.

COTR Credits: 3

Hours for this course: 45 hours

Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	45
Seminars / Tutorials	
Laboratory / Studio Hours	
Practicum / Field Experience Hours	
Other Contact Hours	
Total	45

Practicum Hours (if applicable):

Type of Practicum	Duration
On-the-job Experience	N/A
Formal Work Experience	N/A
Other	N/A
Total	

Course Outline Author or Contact:

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Signature

APPROVAL SIGNATURES:

Department Head
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Department Head Signature

Dean Signature

EDCO

Valid from: September 2021 – March 2026

Education Council Approval Date

COURSE PREREQUISITES AND TRANSFER CREDIT:

Prerequisites: None

Corequisites: None

Flexible Assessment (FA):

Credit can be awarded for this course through FA Yes No

Learners may request formal recognition for flexible assessment at the College of the Rockies through one or more of the following processes: External Evaluation, Worksite Assessment, Demonstration, Standardized Test, Self-assessment, Interview, Products/Portfolio, Challenge Exam. Contact an Education Advisor for more information.

Transfer Credit: For transfer information within British Columbia, Alberta and other institutions, please visit <http://www.cotr.bc.ca/Transfer>.

Students should also contact an academic advisor at the institution where they want transfer credit.

Please Note: Students who have received COTR credit for TOUR 237 may not receive additional credit for ENST 200

Prior Course Number: TRMP 237 ⇔⇔ENST 200

Date changed: January 2010

TEXTBOOKS AND REQUIRED RESOURCES:

Textbook selection varies by instructor and may change from year to year. The following textbook may be used as a foundation for the course:

Sustainability: A Comprehensive Foundation by Tom Theis, University of Illinois, Jonathan Tomkin, University of Illinois is licensed under a [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/), except where otherwise noted.

Please see the instructor's syllabus or check COTR's online text calculator <http://go.cotr.bc.ca/tuition/tCalc.asp> for a complete list of the currently required textbooks.

LEARNING OUTCOMES:

Upon the successful completion of this course, students will be able to

- expand one's understanding of basic environmental sustainability concepts;
 - describe how basic concepts of ecology help to explain how human activity can influence the characteristics of a natural setting;
 - identify and explore detailed examples of sustainable development;
 - explain the role of various agencies who manage natural resources and how they can influence sustainable development;
 - describe the "carrying capacity model," and how this model can influence the management of natural resources;
 - analyze why environmental ethics and environmental stewardship are significant concerns for sustainable development;
 - recognize how specific industries can work with government, industry and local communities toward the achievement of sustainable development in Canada and in other countries;
 - be aware of the types of conflicts that can occur in developing resource based industries; and
 - critically engage in the evaluation of course examples and apply these learned concepts in various course projects, assignments, and discussions.
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COURSE TOPICS:

I Introduction

1. What is Environmental Stewardship?
2. Components of Environmental Stewardship
3. The Global Environment
4. Definitions of Sustainability
5. Principles of Sustainable Development

II The Environment and Yourself

1. Introduction to Ecosystem Awareness & Ecology
2. Introduction to Eco-philosophy
3. Applying Environmental Stewardship

III The Environment and the Community

1. Elements Necessary for Sustainable Development
2. What are 'Carrying Capacities'?
3. Integrated Development
4. Principles of Sustainable Development
5. Partners for Sustainable Development
6. Integrated Community Planning

IV Managing Environmental, Economic & Social Impacts of Development

1. Introduction to the Social and Cultural Impacts of Development
2. Managing Economic, Environmental, Social and Political Impacts of Development
3. The Multiplier Effect
4. Education and Sustainable Development
5. Roles in Supporting Sustainable Development

V First Nations and Sustainable Development

1. First Nations Issues Regarding Resource Management
2. First Nations Land Claims
3. Treaty Negotiations

See instructor syllabus for the detailed outline of weekly readings, activities and assignments.

EVALUATION AND ASSESSMENT: Face-to-Face and Online Delivery

Assignments	% Of Total Grade
Project	20%
Assignments (8 x 5% each)	20%
Class Activities (including forum posts and discussions)	20%
Midterm Exam	15%
Final Exam	<u>25%</u>
Total	100%

Please see the instructor syllabus for specific classroom policies related to this course, such as details of evaluation, penalties for late assignments, and use of electronic aids.

Note: Regular attendance is expected. Absence for more than three classes without arrangement with instructor, result in one grade loss for the final mark. Late assignments will lose 10% for each calendar day. The mark for assignments decrease by 10% for each calendar day that the assignment is late.

EXAM POLICY:

Students must attend all required scheduled exams that make up a final grade at the appointed time and place.

Individual instructors may accommodate for illness or personal crisis. Additional accommodation will not be made unless a written request is sent to and approved by the appropriate Department Head prior to the scheduled exam.

Any student who misses a scheduled exam without approval will be given a grade of "0" for the exam.

COURSE GRADE:

Course grades are assigned as follows:

Grade	A+	A	A-	B+	B	B-	C+	C	C-	D	F
Mark (Percent)	≥ 90	89-85	84-80	79-76	75-72	71-68	67-64	63-60	59-55	54-50	< 50

A grade of "D" grants credit, but may not be sufficient as a prerequisite for sequential courses.

ACADEMIC POLICIES:

See www.cotr.bc.ca/policies for general college policies related to course activities, including grade appeals, cheating and plagiarism.

COURSE CHANGES:

Information contained in course outlines is correct at the time of publication. Content of the courses is revised on an ongoing basis to ensure relevance to changing educational, employment and marketing needs. The instructor endeavours to provide notice of changes to students as soon as possible. The instructor reserves the right to add or delete material from courses.