

COURSE IMPLEMENTATION DATE: 15-Aug.-03  
 COURSE REVISED IMPLEMENTATION DATE:  
 COURSE TO BE REVIEWED: 15-Aug.-07  
 (Four years after implementation date) (MONTH YEAR)

**OFFICIAL COURSE OUTLINE INFORMATION**

Students are advised to keep course outlines in personal files for future use.  
 Shaded headings are subject to change at the discretion of the department and the material will vary  
 - see course syllabus available from instructor

FACULTY/DEPARTMENT:	<b>Geography</b>	
<b>GEOG 411</b>		<b>4</b>
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS
<b>Advanced topics in Environmental Issues</b>		
COURSE DESCRIPTIVE TITLE		

**CALENDAR DESCRIPTION:**

This course provides students the opportunity to explore topics and issues of environmental concern from geographical perspective. Emphasis will be placed on seminar discussions, field trips and case studies.

PREREQUISITES: **One of GEOG 211, 311 or ECON 361, and one other 300/400 level geography course.**  
 COREQUISITES:

SYNONYMOUS COURSE(S)	<b>SERVICE COURSE TO:</b>
(a) Replaces: <b>N/A</b> (Course #)	<b>N/A</b> (Department/Program)
(b) Cannot take: <b>N/A</b> for further credit. (Course #)	<b>N/A</b> (Department/Program)

TOTAL HOURS PER TERM:	<b>60</b>	TRAINING DAY-BASED INSTRUCTION	
<b>STRUCTURE OF HOURS:</b>		LENGTH OF COURSE:	<b>N/A</b>
Lectures: <b>25</b> Hrs		HOURS PER DAY:	<b>N/A</b>
Seminar: <b>20</b> Hrs			
Laboratory: Hrs			
Field Experience: <b>15</b> Hrs			
Student Directed Learning: Hrs			
Other (Specify): Hrs			

MAXIMUM ENROLLMENT:	<b>28</b>
EXPECTED FREQUENCY OF COURSE OFFERINGS:	<b>Annually</b>
<b>WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**AUTHORIZATION SIGNATURES:**

Course Designer(s): <u>Steve Marsh, David Gibson</u>	Chairperson: <u>Jim Andersen (Curriculum Committee)</u>
Department Head: <u>Doug Nicol</u>	Dean: <u>Virginia Cooke</u>
PAC Approval in Principle Date:	PAC Final Approval Date: <u>April 30, 2003</u>

**LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:**

1. Understand the nature of the environmental issue.
2. Examine models of environmental management, including those with emphasis on uncertainty and conflict.
3. Read relevant literature, and present summaries and discussions in class.
4. Critically examine the geographer's approach to the subject, with particular emphasis on methods, theory, and applications.
5. Apply theoretical and conceptual models to particular field problems.

**METHODS:**

The format of the course may include lectures, assigned readings, discussion groups, oral presentations, field trips, field and laboratory analyses, surveys and questionnaires. Particular emphasis is placed on student participation in seminars, group presentations, case studies, and field trips.

**PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):**

Credit can be awarded for this course through PLAR (Please check:)  Yes  No

**METHODS OF OBTAINING PLAR:**

Application to the department: course challenge, presentation/assessment of portfolio.

**TEXTBOOKS, REFERENCES, MATERIALS:**

[Textbook selection varies by instructor. An example of texts for this course might be:]

de Villiers, M., 1999. Water. Toronto: Stoddart.

References:

Donahue, J.M. (ed.), 1998. Water, Culture, and Power. Local struggles in a Global Context. Washington: Island Press. Barlow, M. and T. Clarke, 2002. Blue Gold. The Battle against Corporate Theft of the World' Water. Toronto: Stoddart. Gleick, P. H., 1998. The World's Water: The Biennial Report on Freshwater Resources 1998-1999. Washintong: Island Press. Perkel, C.N., 2002. Well of Lies. The Walkerton Tragedy. Toronto: McClelland Stewart. Miller, C. (ed.), 2001. Fluid Arguments. Five Centuries of Western Water Conflict. University of Arizona Press.

**SUPPLIES / MATERIALS:**

Courses in geography may have mandatory field trips with additional fees. Details are available on course outline distributed in class.

**STUDENT EVALUATION:**

[An example of student evaluation for this course might be:]

20% Exercises

25% Seminar preparation and discussions

25% Research/field trip reports

30% Examinations

**COURSE CONTENT:**

[Course content varies by instructor. An example of course content might be:]

Week 1 Introduction

Week 2 Historical Overview of Water as a Resource

Week 3 Water as a Hazard

Week 4 Perception of Water

Week 5 Degradation of Water Resources

Week 6 Treatment of water and waste water

Week 7 Politics of Water

Week 8 Case Studies

Week 9 Diversion Water Case Studies

Week 10 Diversion of Water Case Studies

Week 11 Impact of Climate Change on Water

Week 12 Sustainability of Water Usage

Week 13 Conclusions, New Directions in Water Management