OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: GEOG 331	**Number of Credits:** 4 Course credit policy (105)

Course Full Title: Environmental Assessment and Management

Course Short Title: Env Assessment and Mgmt

(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)

Faculty: Faculty of Social Sciences	**Department (or program if no department):** Geography and the Environment

Calendar Description:

Examination of environmental assessment and ecosystem management frameworks utilized in natural resource management. Specific investigation of processes, policies, and procedures used in B.C. and Canada, the U.S., and selected global contexts.

Note: Field trips outside of class time are required. Please refer to Geography website for scheduling information.

Prerequisites (or NONE):	45 university-level credits, including at least 6 credits of AGRI, ANTH, BIO, CHEM, GDS, GEOG, IPK, POSC, and/or SOC.
Corequisites (if applicable, or NONE):	
Pre/corequisites (if applicable, or NONE):	

Antirequisite Courses *(Cannot be taken for additional credit.)*

Former course code/number:

Cross-listed with:

Dual-listed with:

Equivalent course(s):

(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)

Special Topics

This course is offered with different topics:

☒ No   ☐ Yes *(Double-click on box to select it as checked.)*

If yes, different lettered courses may be taken for credit:

☐ No   ☐ Yes,   repeat(s)   ☐ Yes, no limit

(The specific topic will be recorded when offered.)

Transfer Credit

Transfer credit already exists: *(See **bctransferguide.ca**.)*

☒ No   ☐ Yes

Submit outline for (re)articulation:

☐ No   ☒ Yes *(If yes, fill in transfer credit form.)*

Typical Structure of Instructional Hours

Lecture/seminar hours	20
Tutorials/workshops	30
Supervised laboratory hours	
Experiential (field experience, practicum, internship, etc.)	10
Supervised online activities	
Other contact hours:	
Total hours	**60**

Labs to be scheduled independent of lecture hours: ☒ No ☐ Yes

Grading System

☒ Letter Grades   ☐ Credit/No Credit

Expected Frequency of Course Offerings:

Every other Winter

(Every semester, Fall only, annually, every other Fall, etc.)

Department / Program Head or Director: Claire Hay	**Date approved:**	September 2018
Faculty Council approval	**Date approved:**	October 12, 2018
Dean/Associate VP: Jacqueline Nolte	**Date approved:**	October 12, 2018
Campus-Wide Consultation (CWC)	**Date of posting:**	November 30, 2018
Undergraduate Education Committee (UEC) approval	**Date of meeting:**	December 14, 2018

Learning Outcomes:

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

- Distinguish between different types of conflicts associated with natural resource values and use, as well as identify the strategies used to mitigate these;
- Discuss the features of adaptive and inclusive environmental management strategies used within Indigenous and rural spaces;
- Contextualize the requirements and expectations of environmental management frameworks, assessments and policies with regard to time, jurisdiction, and treaty processes;
- Compare the requirements and objectives of provincial, territorial, and federal environmental assessment processes;
- Evaluate policy frameworks and tools designed to incorporate multiple forms of knowledge as part of management and assessment;
- Develop quantitative and qualitative methods to critically assess the level and effectiveness of public engagement tools utilized in a selected environmental assessment process;
- Work with peers to design and complete a complex multi-stage research project.
- Communicate their ethical position relative to professional ethics in environmental management.

Prior Learning Assessment and Recognition (PLAR)

☒ Yes   ☐ No, PLAR cannot be awarded for this course because

Typical Instructional Methods *(Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.)*

In-class discussion/ seminars, field trips, and lectures.

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Text(s) and Resource Materials *(If more space is required, download Supplemental Texts and Resource Materials form.)*

	Author (surname, initials)	Title (article, book, journal, etc.)	Current ed.	Publisher	Year
1.	Hanna, Ryan	Environmental Impact Assessment: Practice and Participation	☒	OUP	2016
2.	Tietlebaum, S., ed	Community Forestry in Canada: Lessons in Policy and Practice	☐	UBC	2016
3.	Armitage, D, et al, eds	Adaptive Co-Management: Collaboration, Learning and Multi-Level Governance	☐	UBC	2007
4.	Udofia, A., et al.	Meaningful and efficient? Enduring challenges to Aboriginal participation in environmental assessment. *Environmental Impact Assessment and Review* 65.	☐		2016
5.	Gondor, D	Inuit knowledge and environmental assessment in Nunavut, Canada. *Sustainability Science* 11 (1).	☐		2014

Required Additional Supplies and Materials *(Software, hardware, tools, specialized clothing, etc.)*

N/A

Typical Evaluation Methods and Weighting

Final exam:	25%	Assignments (3):	50%	Field experience:	%	Portfolio:	%
Midterm exam:	%	Project:	25%	Practicum:	%	Other:	%
Quizzes/tests:	%	Lab work:	%	Shop work:	%	Total:	100%

Details (if necessary): Example of possible assignments: Annotated summaries of readings 10%; case study reviews 15%; site analysis and mapping 15%; policy review 10%.

Typical Course Content and Topics

1. Introduction and core concepts in environmental assessment and management
2. Conflict typologies in environmental and resource management
3. Value systems and professional ethics in environmental management and careers
4. Ecosystem accounting and environmental assessment within market economies
5. Comprehensive land claims and ecosystem management
6. Environmental assessments and changing policy priorities in Canada and the US
7. Environmental assessments: integrating Indigenous values, knowledge, and practices
8. Public participation in environmental assessments
9. Adaptive and co-management frameworks
10. Community-managed resources; field trip
11. Cumulative assessment and regional ecosystem management
12. Protected areas designation and management
13. Climate change, shifting environmental policies, and challenges of adaptive management