



ORIGINAL COURSE IMPLEMENTATION DATE: January 2002
 REVISED COURSE IMPLEMENTATION DATE: September 2017
 COURSE TO BE REVIEWED: (six years after UEC approval) January 2023
Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

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

Course Code and Number: GEOG 311	Number of Credits: 4 Course credit policy (105)																
Course Full Title: Global Resources and the Environment Course Short Title (if title exceeds 30 characters): Global Resources and Environment																	
Faculty: Faculty of Social Sciences	Department (or program if no department): Geography and the Environment																
Calendar Description: Investigation of relationships between communities, markets, and the environment in the management of natural resources. Consideration of how global markets influence spatial patterns of energy and resource development, the use of common pool resources, environmental assessment, and sustainable planning principles.																	
Prerequisites (or NONE):	One of the following: AGRI 204, AGRI 247, AGRI 272, AGRI 371, GEOG 211, GEOG 219, GEOG 240, GEOG 242, GEOG 257/CMNS 257, BIO 210, BIO 219, ECON 100, ECON 101, IPK 331, IPK 344, IPK 386, PACS 210, or PACS 310.																
Corequisites (if applicable, or NONE):	None																
Pre/corequisites (if applicable, or NONE):	None																
Equivalent Courses (cannot be taken for additional credit) Former course code/number: Cross-listed with: Equivalent course(s): <i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>	Transfer Credit Transfer credit already exists: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Transfer credit requested (OReg to submit to BCCAT): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (if yes, fill in transfer credit form) Resubmit revised outline for articulation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No To find out how this course transfers, see bctransferguide.ca .																
Total Hours: 60 Typical structure of instructional hours: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td>Lecture hours</td><td style="text-align: center;">20</td></tr> <tr><td>Seminars/tutorials/workshops</td><td style="text-align: center;">35</td></tr> <tr><td>Laboratory hours</td><td></td></tr> <tr><td>Field experience hours</td><td></td></tr> <tr><td>Experiential (practicum, internship, etc.)</td><td></td></tr> <tr><td>Online learning activities</td><td style="text-align: center;">5</td></tr> <tr><td>Other contact hours:</td><td></td></tr> <tr><td style="text-align: right;">Total</td><td style="text-align: center;">60</td></tr> </table>	Lecture hours	20	Seminars/tutorials/workshops	35	Laboratory hours		Field experience hours		Experiential (practicum, internship, etc.)		Online learning activities	5	Other contact hours:		Total	60	Special Topics Will the course be offered with different topics? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, different lettered courses may be taken for credit: <input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit <i>Note: The specific topic will be recorded when offered.</i>
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Total	60																
Department / Program Head or Director: Steve Marsh																	
Date approved:																	
Faculty Council approval	Date approved: November 2016																
Campus-Wide Consultation (CWC)	Date of posting: December 9, 2016																
Dean/Associate VP: Jacqueline Nolte	Date approved: November 2016																
Undergraduate Education Committee (UEC) approval	Date of meeting: January 27, 2017																

Learning Outcomes

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

1. Apply concepts and theories from economics and economic geography to the study of how a natural resource is produced and managed.
2. Critically analyze the arguments involved in the management of commons and non-commons resources.
3. Provide argument for integrative, interdisciplinary, and multi-scalar approaches to problem-solving in resource management.
4. Identify flows of resource use and consumption for particular commodities.
5. Identify appropriate academic and non-academic sources for information on topics within resource geography, and how to critically utilize these sources in a research project.
6. Clearly convey the findings of one's research on a resource industry to a general audience.

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)

The format of the course may include lectures, assigned readings, discussion groups, oral presentations, and field trips. Particular emphasis is placed on student participation in seminars, group presentations, and field trips. Audio-visual materials and case studies will be used to support lecture material.

Grading system: Letter Grades: Credit/No Credit: Labs to be scheduled independent of lecture hours: Yes No

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. Armitage, Derek	Adaptive Capacity and Environmental Governance	<input type="checkbox"/>	London	2010
2. Hackett, S.	Environmental and Natural Resource Economics	<input type="checkbox"/>		2005
3. Hayter, R.	Flexible Crossroads: The Restructuring of BC/s Forest Economy	<input type="checkbox"/>	UBC, Vancouver	2000
4. Kurlansky, M.	Cod: A Biography of a Fish that Changed the World	<input type="checkbox"/>		1998
5. Ostrom, E et al	Drama of the Commons. National Academe Press	<input type="checkbox"/>		2002
6. Holley and Mitcham	The Pebble Mine Dialogue: A case study in public engagement and the social license to operate.		<i>Resources Policy</i>	2016
7. McCreary and Milligan	Pipelines, permits, and protests: Carrier Sekani encounters with the Enbridge Northern Gateway Project.		<i>Cultural Geographies</i>	2014
8. Kershaw et al	An Argument for Ethical Physical Geography Research on Indigenous Landscapes in Canada.		<i>Canadian Geographer</i>	2014
9. Silver, J	Neoliberalizing Coastal Space and Subjects: On aquaculture projections, interventions, and outcomes in British Columbia, Canada.		<i>Cdn Jrnl Rural Stud</i>	2013
10. Bell and York	Community Economic Identity: The Coal Industry and Ideology Construction in West Virginia.		<i>Rural Sociology</i>	2010

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

Field trip fees may be required.

Typical Evaluation Methods and Weighting

Final exam:	%	Assignments (Commodity Report):	25%	Midterm exam:	%	Practicum:	%
Quizzes/tests:	%	Environmental Assessment Evaluation:	25%	Field experience:	%	Shop work:	%
Ethics Discussion (On-Line):	5%	Progressive Essays (2):	30%	Discussion:	15%	Total:	100%

Details (if necessary):

Typical Course Content and Topics**Weeks 1-3: Defining and Quantifying Natural Resources**

- Introduction to course and course objectives
- What are 'resources'?
- Interdisciplinary approaches to studying natural resources
- Career pathways in natural resource fields
- Economics and Resource Markets—a Geographic perspective
- Resource Scarcity, Extraction, and Externalities

Weeks 4-8: Sustainability, Scarcity, Investment and the Production of Minerals and Energy

- Geographies of Investment, Economic Growth, Community Development, and the Resource Curse
- Can Mining Be Sustainable? Corporate Social Responsibility and Green Technologies in Resource Non-Renewable Extraction
- Environmental Review Processes
- Personal and professional ethics in natural resource employment
- Geographies of Energy: Oil, Wind, Hydro, and the Battle over Place
- On the Front Lines in Resource Battles: Indigenous Territoriality and Energy Development

Weeks 9-13: Ensuring Sustainability and Securing Natural Capital in Renewable Resource Sectors

- Constructing Knowledge and Ownership in Natural Resource Management and Decision-Making
- Participatory Action Research
- Managing the Commons: Lessons and Strategies
- Water
- Land and Food: Conceptualizing the challenges of defining resource needs
- Fisheries Management in North America
- BC's Forests
- Summary and Conclusions