

Course Outline

GEOG 3411/ENST 3411: Resource Management and Sustainability Winter 2021 (Web-Based)

Instructor:

Dr. Jason Prno

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Office Hours: By appointment, to occur by phone or videoconference. Attempts will be made to respond to student email and phone call inquiries within 2-3 business days.

Course Description:

This course focuses on resource management from ecological, economic, social/behavioural and institutional/decision-making perspectives. Emphasis is given to the conflicts between economic growth (i.e. often from resource exploitation) and resource sustainability. The course also emphasizes the ecological limits of renewable resources and what resources depletion means for future generations. Opportunities for achieving sustainable resource use, especially here in Canada, are discussed.

Course Objectives:

As this is an asynchronous web-based course, students are expected to actively manage their own time and participation in course activities. Students are expected to be independent and:

- Regularly check-in on the D2L course website for new postings and information
- Review all lectures/materials posted by the instructor in a timely manner
- Complete all assigned readings/viewings
- Complete bi-weekly quizzes and other assignments
- Participate in discussion forums

Student objectives for this course include:

1. Develop a comprehensive understanding of contemporary resource management issues and practice in Canada, and the governance tools available to achieve sustainable resource use.
2. Develop critical and analytic thinking skills.
 - There are often multiple perspectives and multiple options for resolving issues; don't assume everything you read/watch has considered all relevant viewpoints.
 - Consider: Why do certain approaches work/not work? What can be done to ensure better outcomes? Whose perspectives may have been prioritized/left out in decision-making?
3. Develop practical knowledge and skills.
 - Use of case studies and professional insights. Let's focus on what works! It's easy to sit back and identify flaws, it's much harder to do the job right.
 - Consider: What would management of this issue look like in practice? What would I do if I were in working in this field?

Required Texts/Materials:

Texts
Mitchell, B (Ed.). 2015. <i>Resource and Environmental Management in Canada: Addressing Conflict and Uncertainty</i> , 5 th Edition. Toronto, Ontario: Oxford University Press.
Mitchell, B. 2019. <i>Resource and Environmental Management</i> , 3rd Edition. New York, New York: Oxford University Press.
Videos
<i>8th Fire: It's Time</i> (43 mins) – Available online through the Lakehead Library and CBC Curio https://curio-ca.ezproxy.lakeheadu.ca/en/
<i>Artifishal</i> (1h 20 mins) – https://youtu.be/XdNJOJAwT7I
<i>DamNation</i> (1h 28 mins) – https://youtu.be/laT1bNVDQN8
<i>On the Verge</i> (41 mins) – https://youtu.be/HQdaDbA-wJl
<i>The Hole Story</i> (1h 19 mins) – Available online through the Lakehead Library and NFB Campus https://www-nfb-ca.ezproxy.lakeheadu.ca/
<i>Wiebo's War</i> (52 mins) – Available online through the Lakehead Library and NFB Campus https://www-nfb-ca.ezproxy.lakeheadu.ca/

Evaluation:

Grades will be based on student completion of several activities, as described below.

Item	Grade Weighting
Participation	20%
Quizzes	20%
Term Paper	40%
Final Exam (Exemptible if grade of 75% is reached)	20%
TOTAL	100%

Participation: Students are expected to participate in online discussion forums on the D2L course website. While the instructor will present sample discussion questions at the end of each lecture, students are also encouraged to discuss other topics relevant to the weekly lectures and respond to discussions initiated by other members of the class. To achieve full marks, students must be active participants in these discussion forums, engage in meaningful and thoughtful discourse, apply critical perspectives and discuss examples pertinent to the course, and be coherent (spelling, grammar, and overall readability of remarks will be assessed). There will be no tolerance for discussions that are disrespectful, abusive, or harassing of any kind.

Quizzes: There will be bi-weekly timed quizzes on the texts/materials assigned. These will be accessed through the 'Quizzes' tab on D2L. Quizzes will emphasize texts/materials that have been assigned since the last quiz. Questions for any given quiz will be varied randomly by D2L using a question database, and not all questions from the database will occur on all quizzes. All quizzes are to be written independently and will be timed. Quizzes will be open book and open notes. Quizzes will be accessible for a 10 hour window beginning 6:00 am and ending at 4:00 pm on the Friday of each week that quizzes are assigned (see Schedule, below).

Term Paper: Students will prepare a 2,500 word term paper on one of three questions provided by the instructor. These questions will relate directly to themes and materials discussed in class, but will

require students to conduct additional research and investigation into a particular topic. Critical analysis and integration of modern Canadian resource management examples are expected. Further details on the term paper will be provided during the first weeks of class.

Final Exam: Students who achieve a combined mark of 75% or greater leading up to the final exam may be exempted from writing the exam at the discretion of the instructor. This will be confirmed with students by the instructor (through email) prior to the commencement of the Examination Period. Those who have not achieved a combined mark of 75% will be required to complete the final exam. This exam will occur on-line during a scheduled examination date and time. No notes, books, or memory aids will be permitted. Multiple choice, short answer, and essay-type questions will be included.

Academic Integrity:

Students are required to act ethically and with integrity in academic matters and demonstrate behaviours that support the university's academic values. Students are responsible for being aware of and demonstrating behaviour that is honest and ethical in their academic work. Such behaviour includes:

- Completing one's own original work;
- Knowing and following the appropriate citation and punctuation methods for referencing sources of information when quoting, summarizing, and paraphrasing;
- Asking for clarification of expectations as necessary;
- Collaborating appropriately on assigned group and teamwork;
- Acknowledging the contribution of others (giving credit);
- Preventing their work from being used by others (e.g. protecting access to digital files);
- Adhering to the principles of Academic Integrity when conducting and reporting research, and;
- Following published examination regulations and protocols.

Students are responsible for their behaviour and may face penalties under Lakehead University's Academic Integrity Code, if they are found to be in violation of breaching Academic Integrity.

Student Accessibility Services:

Lakehead University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities. If you are a student with a disability and think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please visit:

<https://www.lakeheadu.ca/faculty-and-staff/departments/services/sas>

Schedule:

Dates	Important Due Dates	Topic	Assigned Readings/Materials
Week 1: January 11-15		<ul style="list-style-type: none"> • Course introduction • Introduction to resource management 	Mitchell (2019) – Ch. 1 Mitchell (2015) – Ch. 1
Week 2: January 18-22	Quiz #1 (Friday)	<ul style="list-style-type: none"> • Sustainable development 	Mitchell (2019) – Ch. 2 Mitchell (2015) – Ch. 2
Week 3: January 25-29		<ul style="list-style-type: none"> • Environmental governance 	Mitchell (2019) – Ch. 4 Mitchell (2015) – Ch. 7
Week 4: February 1-5	Quiz #2 (Friday)	<ul style="list-style-type: none"> • Indigenous peoples and resource management 	Mitchell (2015) – Ch. 3 Video – 8 th Fire: It's Time
Week 5: February 8-12		<ul style="list-style-type: none"> • Systems perspectives • Environmental assessment 	Mitchell (2019) – Ch. 3 Mitchell (2015) – Ch. 5
Week 6: February 15-19	Winter Reading Week		
Week 7: February 22-26	Quiz #3 (Friday)	<ul style="list-style-type: none"> • Public participation 	Mitchell (2019) – Ch. 6 Mitchell (2015) – Ch. 6
Week 8: March 1-5		<ul style="list-style-type: none"> • Adaptive management • Monitoring 	Mitchell (2019) – Ch. 5 Mitchell (2019) – Ch. 11 Mitchell (2015) – Ch. 4
Week 9: March 8-12	Quiz #4 (Friday)	<ul style="list-style-type: none"> • Mining 	Mitchell (2015) – Ch. 16 Video – The Hole Story
Week 10: March 15-19		<ul style="list-style-type: none"> • Forestry 	Mitchell (2015) – Ch. 11 Video – On the Verge
Week 11: March 22-26	Quiz #5 (Friday)	<ul style="list-style-type: none"> • Energy 	Mitchell (2015) – Ch. 15 Video – Wiebo's War
Week 12: March 29 – April 2	Term Paper (Monday)	<ul style="list-style-type: none"> • Water 	Mitchell (2015) – Ch. 14 Video – DamNation
Week 13: April 5-9	Quiz #6 (Tuesday)	<ul style="list-style-type: none"> • Fisheries • Course wrap-up 	Mitchell (2015) – Ch. 9 Video – Artifishal
Examination Period: April 16-25	Examination Period		