



University of Manitoba
Clayton H. Riddell Faculty of Environment, Earth, and
Resources
Department of Environment and Geography

GEOG 2520 - Geography of Natural Resources

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COURSE DETAILS

Course Title & Number:	Geography of Natural Resources (GEOG 2520)
Section Number:	A01
Number of Credit Hours:	3
Time:	1:00-2:15pm, Tuesday/Thursday
Location:	217 Wallace
Pre-Requisites:	A grade of "C" or better in a minimum of three credit hours from Geography courses numbered at the 1000 level, or permission of department head.

Instructor Contact Information

Instructor(s) Name:	Warren Bernauer
Availability:	I am available to meet with students after class or by appointment.
Email:	warren.bernauer@umanitoba.ca

Course Description

An introduction to the basic concepts of the subject and the distribution of resources. Stress will be placed on Canadian resources and resource requirements but examples from other resource systems will also be used.

The course is divide into three sections. We will begin by exploring the role of different resources in indigenous and Canadian economic histories, including the fur trade, fisheries, agriculture, forestry, mining, and oil/gas. Next, we will examine key themes in natural resource management, including environmental assessment, aboriginal rights, local/traditional knowledges, and co-management. The course concludes by examining conflicts over resources, including protected areas, sealing/furs, oil/gas extraction, hydroelectric development, uranium mining, and trophy hunting.

Course Goals

- 1) To understanding the various economic, political, cultural, and ecological factors which 'make' things into 'resources'.
- 2) To understanding the various economic, political, cultural, and ecological factors which drive conflicts over resources.
- 3) To consider how resources have shaped our society.

Textbook, Readings, Materials

Lectures have a reading attached to them. Readings are available online, through the U of M e-journal and e-book database [<http://umanitoba.ca/libraries/>] or elsewhere on the world wide web.

There is no textbook for the course and no course pack. You can simply download each article/book and read it before you come to class.

Expectations

Class attendance is mandatory as this course is not designed for correspondence learning. Lectures engage with course readings, but not all lecture material is contained in the assigned readings. Repeated unexcused absences may result in disbarment.

Students are to take notes during lectures and films. The instructor will not distribute lecture notes.

Students are to access course readings through the University of Manitoba library or the world wide web. Students are encouraged to bring a copy of readings to class (either hardcopy or electronic).

Students are to complete all required readings prior to class, and participate in class discussions by sharing opinions and asking thoughtful questions.

Students are to submit assignments on time in hard-copy (electronic submission will not be accepted). For more information about late penalties and exceptions, see "Assignment Extension and Late Submission Policy".

Class Schedule

This schedule is subject to change at the discretion of the instructor and/or based on the learning needs of the students but such changes are subject to Section 2.8 of the – [ROASS-Procedure](#)

Date	Lecture Topic	Readings	Notes
Jan 4	Course Introductions		
Jan 9	Conceptual Introduction	Gavin Bridge. (2009). "Material Worlds: Natural Resources, Resource Geography and the Material Economy" <i>Geography Compass</i> 3(3): 1217-1244 [UM LIBRARY E-JOURNAL]	
Jan 11	Historic Indigenous Geographies and Natural Resources		
Jan 16	Natural Resources and Canadian Economic History 1: Fur Trade	Innis, H. (2001). <i>The Fur Trade in Canada: Introduction to Canadian Economic History</i> . (electronic edition) Toronto: University of Toronto Press. [UM LIBRARY E-BOOK] <ul style="list-style-type: none"> • Conclusion 	
Jan 18	Natural Resources and Canadian Economic History 2: Fisheries & Whaling	Innis, H. (2017) <i>Essays in Canadian Economic History</i> . (electronic edition) Toronto: University of Toronto Press. [UM LIBRARY E-BOOK] <ul style="list-style-type: none"> • Ch. 4, Spanish Fishery 	
Jan 23	Natural Resources and Canadian Economic History 3: Agriculture & Forestry	Innis (2017) <ul style="list-style-type: none"> • Ch. 17, Lumber Trade • Ch. 19, Wheat Economy 	
Jan 25	Natural Resources and Canadian Economic History 4: Mineral & Energy Extraction	Nuttall, M. (2010). <i>Pipeline Dreams</i> . Copenhagen: International Working Group for Indigenous Affairs [www.iwgia.ca] <ul style="list-style-type: none"> • Ch. 2, Arctic Energy Frontier 	
Jan 30	Themes in Resource Management #1: Environmental Assessment	Noble, B. (2010) "Environmental Impact Assessment". In: Warf (ed). <i>Encyclopedia of Geography</i> . Thousand Oakes: SAGE Publishing. [UM LIBRARY E-JOURNAL]	

Feb 1	Themes in Resource Management #2: Aboriginal/Treaty Rights	Fenge and Aldridge (eds). (2017). <i>Keeping Promises: The Royal Proclamation of 1763, Aboriginal Rights, and Treaty Rights in Canada</i> . Kingston/Montreal: McGill-Queen's University Press [UM LIBRARY E-BOOK] <ul style="list-style-type: none"> • Ch. 7, Historic Treaties 	
Feb 6	Aboriginal Rights (ctd)	Fenge and Aldridge (2017) <ul style="list-style-type: none"> • Ch. 8, Modern Treaties 	
Feb 8	Themes in Resource Management #3: Co-Management	Berkes, F. (2009) "Evolution of Co-Management: Role of knowledge generation, bridging organizations, and social learning". <i>Journal of Environmental Management</i> . 90(5)	
Feb 13	Themes in Resource Management #4: Ecological Knowledges	Usher, P.J. (2000). "Traditional Ecological Knowledge in Environmental Assessment and Management." <i>Arctic</i> . 53(2) [UM LIBRARY E-JOURNAL]	
Feb 15			In Class Test
Feb 20	Reading Week, No Class		
Feb 22	Reading Week, No Class		
Feb 27	Resource Conflicts 1: Wilderness and Protected Areas	Jago, R. (2017). "Canada's National Parks are Colonial Crime Scenes". <i>The Walrus</i> . June 30, 2017 [www.walrus.ca]	
Mar 1	Wilderness & Protected Areas (ctd)		Assignment #1 Due
Mar 6	Resource Conflicts 2: Sealing & Fur	Wenzel, G. (1991). <i>Animal Rights, Human Rights</i> . Toronto: University of Toronto Press [UM Library E-BOOK] <ul style="list-style-type: none"> • Introduction • Ch 2 	
Mar 8	Sealing & Fur (ctd)	Wenzel (1991) <ul style="list-style-type: none"> • Ch. 8, Seal Protest as Cultural Conflict 	
Mar 13	Resource Conflicts 3: Hydrocarbons	Nuttall, M. (2010). <i>Pipeline Dreams</i> . Copenhagen: International Working Group for Indigenous Affairs [www.iwgia.ca] <ul style="list-style-type: none"> • Ch. 1, Introduction • Ch. 3, Berger's Legacy 	
Mar 15	Hydrocarbons (ctd)	Nuttall (2010) <ul style="list-style-type: none"> • Ch. 6, Gateway to Asia 	Last Class Before VW Deadline

Mar 20	Resource Conflicts 4: Hydro-Electric Development	Martin and Hoffman (eds). (2008). <i>Power Struggles</i> Winnipeg: University of Manitoba Press. [UM LIBRARY E-BOOK] • Ch. 5, Engineering Poverty	
Mar 22	Hydro (ctd)	Martin and Hoffman (2008). • Ch. 10, The End of an Era	
Mar 27	Resource Conflicts 5: Uranium	Handout	
Mar 29	Uranium (ctd)		Assignment #2 Due
Apr 3	Resource Conflicts 6: Trophy Hunting	Freeman, M. and Wenzel, G. (2006). "The Nature and Significance of Polar Bear Conservation Hunting in the Canadian Arctic". <i>Arctic</i> . 59(1) [UM LIBRARY E-JOURNAL]	
Apr 5	Conclusions: Resource Politics in the 21 st Century		

Course Evaluation Methods

Due Date:	Assessment Tool:	Value:
February 15	In-Class test	20%
March 1	Book Review	20%
March 29	Film Review	20%
TBD	Final Exam	40%

Assignment Descriptions

Assignment 1 (20%) Students will write a review of one of the following book:

- Innis, H. (2001). *The Fur Trade in Canada: An Introduction to Canadian Economic History*. Toronto: University of Toronto Press.
- Nuttall, M. (2010). *Pipeline Dreams*. Copenhagen: International Working Group for Indigenous Affairs.
- Martin and Hoffman (eds). (2008). *Power Struggles* Winnipeg: University of Manitoba Press.
- Wenzel, G. (1991). *Animal Rights, Human Rights*. Toronto: University of Toronto Press

All of these books are available in electronic format, either through University of Manitoba libraries e-book subscriptions, or as a downloadable .pdf on the publisher's website.

Essays should be 5-6 pages in length. Focus on summarizing, explaining, and evaluating the central arguments of the text. Reviews should draw upon (and properly cite) concepts and ideas from other materials from the course reading list. Reviews must be typed, double spaced, 12-pt font, and include page numbers and a title page. Assignments will be graded based on contents, writing style, spelling/grammar, and formatting. Further information will be provided by the instructor in-class. *Due: March 1*

In Class Test (20%) This test will be based on material from lectures, readings, and films from the first half of the course. It will include a combination of short answer, definition, and long (essay) answer questions. One week prior to the test, the instructor will briefly review course material to help students prepare. *This test is scheduled for February 15.*

Assignment 2 (20%) Students will write a review of a film assigned by the instructor. Essays should be 5-6 pages in length. Focus on summarizing, explaining, and evaluating the central messages of the film. Reviews should draw upon (and properly cite) concepts and ideas from the course reading list. Reviews must be typed, double spaced, 12-pt font, and include page numbers and a title page. Assignments will be graded based on contents, writing style, spelling/grammar, and formatting. Further information will be provided by the instructor in-class. *Due: March 29*

Final Exam (40%) The final exam will be based on lectures, readings, and films from the entire course. It will include a combination of short answer, definition, and long (essay) answer questions. On the final day of class, the instructor will briefly review course material to help students prepare for the exam. *Date/time TBD.*

Assignment Grading

The instructor will return tests and assignments two weeks after submission. Assignments will be returned in-class or during office hours. Please do not e-mail the instructor asking him what mark you received.

Assignment Extension and Late Submission Policy

Assignments are expected to be submitted in hard copy at the beginning of class. Late assignments will be penalized a 5% late penalty per day. Assignments will not be accepted more than two weeks after the deadline. The instructor may grant extensions for documented health/compassionate reasons, if prior arrangements are made.

Referencing Style

Assignments should use the APA reference style as outlined in the text:

American Psychological Association. (2009). *Publication manual of the American Psychological Association* (6th ed.). Washington, DC: Author.

Letter Grades

Letter Grade	Percentage out of 100	Grade Point Range	Final Grade Point
A+	95-100	4.25-4.5	4.5
A	80-94	3.75-4.24	4.0
B+	75-79	3.25-3.74	3.5
B	70-74	2.75-3.24	3.0
C+	65-69	2.25-2.74	2.5
C	60-64	2.0-2.24	2.0
D	50-59	Less than 2.0	1.0
F	Less than 50		0

Academic Integrity

To plagiarize is to take ideas or words of another person and pass them off as one's own. Plagiarism applies to any written work, in traditional or electronic format, as well as orally or verbally presented work. Students are expected to appropriately acknowledge the sources of ideas and expressions they use in their written work, whether quoted directly or paraphrased. This applies to diagrams, statistical tables and the like, as well as to written material, and materials or information from Internet sources. Plagiarism or any other form of cheating in examinations, term tests or academic work is subject to serious academic penalty. The common penalty in Arts for plagiarism in a written assignment, test, or examination is F on the paper and F for the course. For the most serious acts of plagiarism, such as the purchase of an essay or cheating on a test or examination, the penalty can also include suspension for a period of up to five years from registration in courses taught in a particular department in Arts or from all courses taught in this Faculty. The Faculty also reserves the right to submit student work that is suspected of being plagiarized, to Internet sites designed to detect plagiarism. If you are unsure of what constitutes plagiarized work please consult your instructor and Sections 8.1 of the Undergraduate Calendar.

Students Accessibility Services

If you are a student with a disability, please contact SAS for academic accommodation supports and services such as note-taking, interpreting, assistive technology and exam accommodations. Students who have, or think they may have, a disability (e.g. mental illness, learning, medical, hearing, injury-related, visual) are invited to contact SAS to arrange a confidential consultation.

Student Accessibility Services <http://umanitoba.ca/student/saa/accessibility/>

520 University Centre

204 474 7423

[Student_accessibility@umanitoba.ca](mailto:student_accessibility@umanitoba.ca)

Copyrighted Material

Please respect copyright. We will use copyrighted content in this course. I have ensured that the content I use is appropriately acknowledged and is copied in accordance with copyright laws and University guidelines. Copyrighted works, including those created by me, are made available for private study and research and must not be distributed in any format without permission. Do not upload copyrighted works to a learning management system (such as UM Learn), or any website, unless an exception to the *Copyright Act* applies or written permission has been confirmed. For more information, see the University's Copyright Office website at <http://umanitoba.ca/copyright/> or contact um_copyright@umanitoba.ca.

Recording Class Lectures

Warren Bernauer and the University of Manitoba hold copyright over the course materials, presentations and lectures which form part of this course. No audio or video recording of lectures or presentations is allowed in any format, openly or surreptitiously, in whole or in part without permission. Course materials (both paper and digital) are for the participant's private study and research.

Course Technology

It is the general University of Manitoba policy that all technology resources are to be used in a responsible, efficient, ethical and legal manner. The student can use all technology in classroom setting only for educational purposes approved by instructor and/or the University of Manitoba Disability Services. Student should not participate in personal direct electronic messaging / posting activities (e-mail, texting, video or voice chat, wikis, blogs, social networking (e.g. Facebook) online and offline "gaming" during scheduled class time. If student is on call (emergency) the student should switch his/her cell phone on vibrate mode and leave the classroom before using it.

Class Communication

The University requires all students to activate an official University email account. For full details of the Electronic Communication with Students please visit:
[http://umanitoba.ca/admin/governance/media/Electronic Communication with Students Policy - 2014 06 05.pdf](http://umanitoba.ca/admin/governance/media/Electronic_Communication_with_Students_Policy_-_2014_06_05.pdf)

Please note that all communication between myself and you as a student must comply with the electronic communication with student policy (http://umanitoba.ca/admin/governance/governing_documents/community/electronic_communication_with_students_policy.html). You are required to obtain and use your U of M email account for all communication between yourself and the university.