



University of Manitoba
Faculty of Earth Environment and Resources
Department of Geography

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COURSE DETAILS

Course Title & Number:	Geography of Natural Resources (GEOG 2520)
Section Number:	A01
Number of Credit Hours:	3
Time:	MWF 9:30-10:20
Location:	114 St. John's College
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:	Dr. Warren Bernauer
Office:	220-B Sinnott Bldg.
Availability:	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 divided into three sections. We will begin by exploring the role of different resources in producing global and Canadian geographies. Next, we will examine key themes in natural resource management, including environmental assessment, aboriginal rights, ecological knowledges, and co-management. The course concludes by examining conflicts over resources, including sealing, fisheries, uranium mining, protected areas, and oil/gas extraction.

Course Goals

- 1) To consider how resources have shaped global and Canadian geographies.
- 2) To understand the various economic, political, and cultural factors which transform 'things' into 'resources'.
- 3) To understanding the various economic, political, cultural, and ecological factors which drive conflicts over resources.

Textbook, Readings, Materials

Students are responsible for acquiring the following book for assignment #1 (available at the UManitoba bookstore):

Perry, Adele. (2016). *Aqueduct: Colonialism, Resources, and the Histories We Remember*. Winnipeg: Arbeiter Ring Press.

Weekly 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. You can simply download each article/book and read it before you come to class. The instructor will provide more information about accessing weekly readings in 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 expected to take notes during lectures and films. The instructor will not distribute lecture notes.

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

Students are expected 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
Sept 4 (W)	Course Introduction		
Sept 6 (F)	Natural Resources as Social Objects		
Sept 9 (M)	Natural Resources and the Global Economy	Humphreys, Macartan, Sachs, Jeffrey, and Stiglitz, Joseph. (eds) (2007). <i>Escaping the Resource Curse</i> . Columbia University Press. [UM E-BOOK] <ul style="list-style-type: none"> Introduction: What is the Problem of Natural Resource Wealth? 	
Sep 11 (W)	Natural Resources and the Global Economy	Kellogg, Paul. (2015). "The Political Economy of Oil and Democracy in Venezuela and Alberta". In: Stefanick, L. and Shrivastava, M. (eds) <i>Alberta Oil and the Decline of Democracy in Canada</i> . Edmonton: AU Press [UM E-BOOK]	
Sep 13 (F)	Natural Resources and the Global Economy		
Sep 16 (M)	Natural Resources and Canadian Geography: Indigenous Economies	Agriculture Canada. (2018). "The Three Sisters: Optimizing the value and food potential of an ancestral indigenous crop system". [www5.agr.gc.ca]	
Sep 18 (W)	Natural Resources and Canadian Geography: Indigenous Economies	Bennett, J. and Rowley, S. (2004). <i>Uqaluriat: an oral history of Nunavut</i> . Montreal: MQUP [UM E-BOOK] <ul style="list-style-type: none"> Chapter Six: Food Sharing 	
Sep 20 (F)	Natural Resources and Canadian Geography: The 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 	

Sep 23 (M)	Natural Resources and Canadian Geography: Forestry & Ag.	Perry, Adele. (2016). <i>Aqueduct</i> . Winnipeg: Arbeiter Ringer Press.	Discuss Assign. #1
Sep 25 (W)	Natural Resources and Canadian Geography: Fisheries	Hamilton, L. & Butler, M. (2001). "Outport Adaptations: Social Indicators Through Newfoundland's Cod Crisis". <i>Research in Human Ecology</i> . 8(2): 1-11 [UM E-JOURNAL]	
Sep 27 (F)	Natural Resources and Canadian Geography: Minerals & Hydrocarbons		
Sep 30 (M)	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 E-JOURNAL]	
Oct 2 (W)	Environmental Assessment		
Oct 4 (F)	Environmental Assessment		Assign. #1 Due
Oct 7 (M)	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 E-BOOK] Ch. 7, Historic Treaties	
Oct 9 (W)	Aboriginal & Treaty Rights		
Oct 11 (F)	Aboriginal & Treaty Rights	Fenge and Aldridge (2017) Ch. 8, Modern Treaties	Midterm Review
Oct 14 (M)			Thanksgiving No Class
Oct 16 (W)	Aboriginal & Treaty Rights		

Oct 18 (F)			Midterm Test
Oct 21 (M)	Themes in Resource Management#3: Co-management & Ecological Knowledges	Berkes, F. (2009) "Evolution of Co-Management: Role of knowledge generation, bridging organizations, and social learning". <i>Journal of Environmental Management</i> . 90(5) [UM E-JOURNAL]	
Oct 23 (W)	Ecological Knowledges and co-mgmt		
Oct 25 (F)	Ecological Knowledges and co-mgmt	Usher, P.J. (2000). "Traditional Ecological Knowledge in Environmental Assessment and Management." <i>Arctic</i> . 53(2) [UM E-JOURNAL]	
Oct 28 (M)	Resource Conflicts 1: Fisheries	McCallum, M. (2004). "Rights in the Courts, on the Water, and in the Woods: The Aftermath of R v Marshall in New Brunswick". <i>Journal of Canadian Studies</i> . 38(3): 204-218 [UM E-JOURNAL]	
Oct 30 (W)	Fisheries		
Nov 1 (F)	Fisheries	Obomsawim, A. (2002). <i>Is the Crown at war with us?</i> National Film Board. [nfb.ca]	Discuss Assign. #2
Nov 4 (M)	Resource Conflicts #2: Sealing	Wenzel, G. (1991). <i>Animal Rights, Human Rights</i> . Toronto: University of Toronto Press [UM E-BOOK] <ul style="list-style-type: none"> • Introduction 	
Nov 6 (W)	Sealing	Wenzel, <i>Animal Rights, Human Rights</i> . Chapter 1	
Nov 8 (F)	Sealing		
Nov 11-15			Reading Week
Nov 18 (M)	Resource Conflicts 4: Parks and Protected Areas	Jago, R. (2017) "Canada's National Parks are Colonial Crime Scenes". <i>The Walrus</i> . June 30, 2017. [http://thewalrus.ca]	VW Deadline
Nov 20 (W)	Parks & Protected Areas		

Nov 22 (F)	Parks & Protected Areas	Martin, B. (2011). "Negotiating a Partnership of Interests: Inuvialuit Land Claims and the Establishment of Northern Yukon (Ivvavik) National Park". In: Campbell (ed). <i>A Century of Parks Canada: 1911-2011</i> . Calgary: University of Calgary Press [https://press.ucalgary.ca/books/9781552385265]	Assign #2 Due
Nov 25 (M)	Resource Conflicts 5: Uranium	Keeling, A. (2010). "'Born in an atomic test tube': landscapes of cyclonic development at Uranium City, Saskatchewan." <i>The Canadian Geographer</i> . 54(2): 228-252. [UM E-JOURNALS]	
Nov 27 (W)	Uranium	MacDowell, L.S. (2012) "The Elliot Lake Uranium Miners' Battle to Gain Occupational Health and Safety Improvements, 1950-1980". <i>Labour/Le Travail</i> . 69: 91-118. [UM E-JOURNALS]	
Nov 29 (F)	Uranium		
Dec 2 (M)	Resource Conflicts 7: Oil & Gas	Savage, S. (2016). "Bill C-38 and the Evolution of the National Energy Board". Canadian Institute of Resource Law. February, 2016. [dspace.ucalgary.ca]	
Dec 4 (W)	Oil & Gas		
Dec 6 (F)	Oil & Gas	Grossman, Z. (2019). "Native/Non-Native Alliances Challenging Fossil Fuel Industry Shipping at Pacific Northwest Ports". In: Clapperton, J. and Piper, L. (eds.). <i>Environmental Activism on the Ground</i> . Calgary: University of Calgary Press [UM E-Book]	Exam Review

Course Evaluation Methods

Due Date:	Assessment Tool:	Value:
Oct 4	Book Review	15%
Oct 18	In class test	20%
Nov 22	Film Review	25%
TBD	Final Exam	40%

Assignment Descriptions

Assignment 1 (15%) Students will write a review of the following book:

Perry, Adele. (2016). *Aqueduct: Colonialism, Resources, and the Histories We Remember*.
Winnipeg: Arbeiter Ring Press.

Reviews should be 5-6 pages in length. Focus on summarizing, explaining, and evaluating the central arguments of the text. 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.

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.

Assignment 2 (25%) Students will write a review of the following film:

Obomsawim, A. (2002). *Is the Crown at war with us?* National Film Board. [Video Resource]

Essays should be 6-8 pages in length. Focus on summarizing, explaining, and evaluating the central messages of the film. Reviews should draw upon (and properly cite) literature 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, or 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](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.