



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

Sustainable Manitoba

ENVR/GEOG 3850

TABLE OF CONTENTS

COURSE DETAILS	3
INSTRUCTOR CONTACT INFORMATION	3
GENERAL COURSE INFORMATION	4
COURSE GOAL	4
INTENDED LEARNING OUTCOMES	4
USING COPYRIGHTED MATERIAL	4
RECORDING CLASS LECTURES	4
TEXTBOOK, READINGS, MATERIALS	5
COURSE TECHNOLOGY	6
CLASS COMMUNICATION	6
EXPECTATIONS: STUDENT	6
STUDENT ACCESSIBILITY SERVICES	7
EXPECTATIONS: INSTRUCTOR	7
CLASS SCHEDULE	8
COURSE EVALUATION METHODS	8
GRADING	11
REFERENCING STYLE	11
ASSIGNMENT DESCRIPTIONS	11
ASSIGNMENT GRADING TIMES	11
ASSIGNMENT EXTENSION AND LATE SUBMISSION POLICY	11

COURSE DETAILS

Course Title & Number:	Sustainable Manitoba ENVR/GEOG 3850
Number of Credit Hours:	3
Class Times & Days of Week:	Wed 7-9:45pm
Location for classes/labs/tutorials:	258 St. Paul's College
Pre-Requisites:	60 credit hours

Instructor Contact Information

Instructor(s) Name:	Christina McDonald, Ph.D
Preferred Form of Address:	Dr. McDonald
Office Location:	258 St. Paul's College
Office Hours or Availability:	Wed 6-7:00 pm
Office Phone No.	204-391-1782
Email:	Christina.McDonald@umanitoba.ca E-mails will usually be answered within 24 hours Mon-Fri.
Contact:	I look forward to meeting every student in person, and you can always see me before or after class. Some correspondence will require documentation and therefore is best done by e-mail (such as requesting special permission).

COURSE DESCRIPTION: This course approaches local sustainability issues from an interdisciplinary perspective. By looking at the ecological, social and economic aspects from a variety of discipline perspectives, a fuller understand of sustainability is achieved. The range of perspectives is achieved through participation of guest speakers across all sectors from government, business/industry, and environmental organization to universities and colleges. There will also be excursions outside the classroom.

General Course Information

This course is meant to engage students on a broad range of sustainability issues from a local perspective. We will address themes from an interdisciplinary perspective considering the ecological, social and economic perspective of sustainability issues. We will explore the importance of sustainability, education for sustainability, explore our human/nature relationships, and engage with guest speakers regarding the innovations currently in place in Manitoba to address sustainability issues.

Course Goal

The goal of this course is to explore local sustainability issues and learn what is being undertaken to address these issues and to identify what can be done personally to improve personal sustainability related to each issue discussed.

Intended Learning Outcomes

Students will become fluent in the understanding of their personal and their peers' human/nature relationship, be able to explain what sustainability means, be able to comment on complex sustainability issues, have an in-depth understanding of sustainability issues and potential solutions and have demonstrated experience working towards solutions to sustainability issues at the local level.

Using 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

Dr. Christina McDonald holds 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 express permission

of Dr. Christina McDonald. Course materials (both print and digital) are for the participant's private study and research.

Field Trip

A field trip will be held on Friday, March 9, 2018, 12:00-6:00 pm. A waiver must be signed by each participant. Attendance is compulsory and therefore students must make arrangements to be available at this time. The cost of the field trip was included in the course registration fee.

Textbook, Readings, Materials

REQUIRED TEXT:

Live close to home. 1st Edition
Peter Denton, 2016, Rocky Mountain Books Ltd.
ISBN 987-1-77160-182-5 (hardcover)
ISBN 987-1-77160-183-2 (electronic)

REQUIRED JOURNAL/ARTICLE:

M.A.S.S. Journal (Spring 2011) Volume 12, Number 1. Matrix Group Publishing Inc. Education for Sustainability. Emergence: Complexity, Curriculum, and Transformative Education as Sustainability (John Murray). Page 33-36.

M.A.S.S. Journal (Fall 2009) Volume 10, Number 2. Matrix Group Publishing Inc. Leading Ethically. Education for Sustainable Development in Manitoba: Leading the Way Forward (Christina McDonald and John Murray). Pages 30-34.

McDonald, Christina (2006). Moving Education for Sustainability Forward in Manitoba. *International Journal of Cleaner Production*. Volume 14, Number 9-11, 2006.

Canada in a Changing Climate (2014):

http://www.nrcan.gc.ca/sites/www.nrcan.gc.ca/files/earthsciences/pdf/assess/2014/pdf/Full-Report_Eng.pdf

Forestry: Impacts and adaptation (Chapter 3: 3.1, 3.2)

Agriculture: Impacts and adaptation (Chapter 4: 2.3, 2.4)

Human Health: Risks and adaptation (Chapter 7: 2.0, 4.0)

Transportation: Key issues and adaptation (Chapter 8: 3.1-3.5)

Other materials will be provided throughout the term.

Course Technology

IN THE CLASSROOM: 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 the instructor and/or the University of Manitoba Disability Services. Students 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 to vibrate mode and leave the classroom before using it. (©[S Kondrashov](#). Used with permission)

COURSE RESOURCES: Course notes, detailed instruction on assignments and general course communications are posted on UM Learn. All assignments unless otherwise noted are submitted on UM Learn.

STUDENT RESOURCES: The Centre for Advancement of Teaching and Learning has instructional videos on accessing and contributing to wikis and blogs that may be useful.
http://intranet.umanitoba.ca/academic_support/Centre_for_the_Advancement_of_Teaching_&_Learning/resources/wikis_blogs.html.

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

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.

Expectations: Student

ATTEND CLASS: The class is intended to be not just one-way delivery of information but rather a facilitated dialogue around materials presented between you and the guest lecturer/instructor. For this reason, your attendance in class is required so that you can be a part of the conversation and contribute your knowledge, experiences and opinions. As such, you are expected to be in attendance both physically and cognitively.

Students are expected to attend all classes and may be debarred from the course, resulting in a failing grade if more than (3 classes) are missed without adequate medical documentation or compassionate grounds. Twenty percent of the overall grade has been allocated to attendance given that numerous guests will be invited to present throughout the session. Each class

missed will result in 3 marks being deducted from the 20 marks allocated. If students miss one, two or three classes, their mark for attendance will be 17/20, 14/20 and 11/20 respectively. Students should refer to the General Academic Regulations and Requirements, Attendance at Class and Debarment, found in the University of Manitoba General Calendar.

http://umanitoba.ca/student/records/leave_return/695.html

VOLUNTARY WITHDRAWAL DATE: March 16, 2017

ACT WITH PROFESSIONALISM: In the University setting, we are in professional relationships. These relationships are characterized by demonstrated respect between all parties, students and instructors, and students and other students. This includes professional and respectful language, tone of voice and demeanour. This is an excellent time to practice the professionalism required in the workforce, especially in your e-mail and in-person communications.

ACADEMIC INTEGRITY: Please refer to “Schedule A” policies and resources for students as posted on UM Learn. In addition, please note that;

- (i) group projects are subject to the rules of academic dishonesty;
- (ii) group members must ensure that a group project adheres to the principles of academic integrity;
- (iii) if a group member is not acting with academic integrity or not performing his or her duties as agreed, please advise the Instructor as soon as possible to resolve any potential problems as early as possible;
- (iv) collaboration between students is encouraged for understanding material, proof-reading a peer’s work, making suggestions on approach, etc.; however,
- (v) all work is to be completed independently unless otherwise specified.

Student Accessibility Services

Student Accessibility Services (SAS)

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

Expectations: Instructor

I approach teaching as a journey. It is my job to bring my students along on this journey and provide them with the information they need to understand, think critically and make decisions

and take actions that lead to social, environmental and economic sustainability. Students learn and I learn as we take this journey together.

You can expect classes whereby I am a facilitator of learning in an active environment. You can expect numerous guests highlighting local sustainability in action at almost every class. You can expect that I will use audio-visual materials, and multiple methods of engaging students in the material, eliciting discussion and provoking thought. Every contribution is valued.

I see it as my job to bring to you the various local issues associated with sustainability and to bring in guests that can highlight examples of possible solutions at the local level. Students are encouraged to highlight sustainability issues and solutions they are aware of and bring the contact information to the instructor during the course – if I can bring them in to the classroom, I will. The more students are engaged, the more fun we will have learning together.

Class Schedule

This schedule is subject to change at the discretion of the instructor but such changes are subject to Section 2.8 of the – [ROASS](#)- Procedure.

	Week	Theme	Readings	Assignment Due
1	January 3	Sustainable Development in Manitoba	Live close to home. 1 st Edition Peter Denton, 2016, Rocky Mountain Books Ltd. ISBN 987-1-77160-182-5 (hardcover) ISBN 987-1-77160-183-2 (electronic)	
2	January 10	Education for Sustainability in Manitoba	M.A.S.S. Journal (Spring 2011) Volume 12, Number 1. Matrix Group Publishing Inc. Education for Sustainability. Emergence: Complexity, Curriculum, and Transformative Education as Sustainability (John Murray). Pages 33-36. M.A.S.S. Journal (Fall 2009) Volume 10, Number 2. Matrix Group Publishing Inc. Leading Ethically. Education for Sustainable Development in Manitoba: Leading the Way Forward (Christina McDonald and John Murray). Pages 30-34.	

			McDonald, Christina (2006). <u>Moving Education for Sustainability Forward in Manitoba</u> . <i>International Journal of Cleaner Production</i> . Volume 14, Number 9-11, 2006.	
3	January 17	Social Enterprise and Indigenous perspectives		
4	January 24	Waste Reduction		
5	January 31	Spirituality, and Social Justice		Journal #1 Due
6	February 7	Sustainability in Post-secondary Institutions		Sustainability Project Background Due
7	February 14	Water and Aquatic Invasive Species		
	February 21	Reading Week	<p>Canada in a Changing Climate (2014): http://www.nrcan.gc.ca/sites/www.nrcan.gc.ca/files/earthsciences/pdf/assess/2014/pdf/Full-Report_Eng.pdf</p> <p>Forestry: Impacts and adaptation (Chapter 3: 3.1, 3.2)</p> <p>Agriculture: Impacts and adaptation (Chapter 4: 2.3, 2.4)</p> <p>Human Health: Risks and adaptation (Chapter 7: 2.0, 4.0)</p> <p>Transportation: Key issues and adaptation (Chapter 8: 3.1-3.5)</p>	
8	February 28	Climate Change		
9	March 7	Quiz and Human/Nature Relationship		Quiz

	Friday, March 9 (12-6 pm)	Waste, Food and Sustainability Field Trip		
10	March 14	Green Buildings		
11	March 21	Food Security		Journal #2 Due
12	March 28	Project Presentations		Sustainability Project Final Proposal and Presentations Due
13	April 4 (last class)	Project Presentations		Sustainability Project Final Proposal and Presentations Due

Course Evaluation Methods

You will be evaluated through a series of assignments, a final exam as well as class attendance. The assignment requirements are posted on the course web site. A citation and standard referencing format is required whenever presenting a fact, idea, graphic or photo that is not your own. All assignments are graded individually and are individual efforts unless otherwise stated. You will receive a grade based on the break-down provided in the Assignment Overview posted on UM Learn. The grade will also have constructive comments intended to assist you in your academic performance in this course. If you have any questions about the grading please bring them to me during my office hours.

Students will be evaluated through the following assignments:

ASSIGNMENT 1: Journal #1 (15%) – Due January 31

ASSIGNMENT 2: Journal #2 (15%) – Due March 21

ASSIGNMENT 3: Sustainability Project Background (15%) – Due February 7

ASSIGNMENT 4: Sustainability Project Final Proposal and Presentation (20%) – Due March 28/April 4

ASSIGNMENT 6: In-class Quiz (15%) – March 7

ASSIGNMENT 5: Attendance /Participation (20%)

Grading

Letter Grade	Percentage out of 100	
A+	90-100	Exceptional
A	80-89	Excellent
B+	75-79	Very Good
B	70-74	Good
C+	65-69	Satisfactory
C	60-64	Adequate
D	50-59	Marginal
F	0-49	Failure

Referencing Style

Any of the main referencing styles may be used in class, but in any case the reference must include an in-text citation (either numerical or author date) close to the idea, fact, image or quote being cited as well as a full citation at the end of the document. Students may choose to use APA, MLA, Chicago, CSE or other recognized referencing style.

Assignment Descriptions

All assignments are described along with the grading rubric in the Assignment Overview as posted on UM Learn.

Assignment Grading Times

Graded assignments will be returned 2 weeks after the submission date whenever possible. All materials submitted electronically on UM Learn will be graded and comments provided on UM Learn.

Assignment Extension and Late Submission Policy

All assignments are due at the beginning of class (7:00 pm) and **must be posted on UM Learn**. All late assignments will have a reduction of 25% of the total grade for that assignment. For example, an assignment worth 20% (20 marks) will be assessed and if the grade is assigned 19/20, the late penalty will reduce that grade to 14/20. Late submissions may be accepted based on medical or compassionate grounds. Extensions are not normally granted unless there are extenuating circumstances.