



**University of Manitoba
Clayton Riddell Faculty
Department of Environment and Geography**

**Introduction to Physical Geography
Course Syllabus
GEOG 1290 A02
Fall 2018**

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COURSE DETAILS

Course Title & Number: Introduction to Physical Geography (GEOG 1290)

Number of Credit Hours: 3 Credit Hours

Class Times & Days of Week: M/W/F, 11:30 am – 12:20 pm, from Sept 5 – Dec 7, 2018

Location for classes/labs/tutorials: 100 St. Paul's College

Instructor Contact Information

Instructor(s) Name: Dr. Erin McCance

Preferred Form of Address: Dr. McCance

Office Location: 220B General Department Office

Office Hours or Availability: Monday/Friday 12:30-1:30pm (By appointment only)

Office Phone No. (204) 232-2941

Email: E-mail: erin.mccance@cc.umanitoba.ca
Communication with students is only conducted only through @myumanitoba.ca email accounts
All email communication will be responded to within 48 hours

Contact: Students should contact me by email

Course Description

Studies in Physical Geography are focused upon the thin surface layer of the Earth where land, air, and water meet. The topics included in this introductory course appear as parts of many disciplines such as: Geology, Meteorology, Climatology, Biology, and Oceanography; but the basic concern of those who study Physical Geography is to investigate the ways in which phenomena associated with these various disciplines interact with one another. Humans are becoming increasingly aware of the significance of changes that occur in the physical environment. We are at last beginning to realize that we too have an impact upon the environment, and that the consequences of our actions may have a positive or a negative effect.

Course Goals

Introduction to Physical Geography aims to:

- Introduce students to the various geographic disciplines
- Discuss the Earth's atmosphere, oceans, land surface and biosphere, and relate them to the dominant natural processes and to changes over time.
- Develop an appreciation of the complex inter-relationships inherent in Earth's natural systems.

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. E. McCance, Dr. J. Wilson, 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 of Dr. Erin McCance. Course materials (both paper and digital) are for the participant's private study and research.

Textbook, Readings, Materials

Required Text Book:

Gervais, B. (2015). Living Physical Geography (1st ed.). W. H. Freeman & Company, 630 pp. (Loose-leaf version)

ISBN: 9781319017194

Cost: \$108.95

Various references materials and handouts will be provided from time to time. Students are expected to use libraries, the media, the Internet and other sources to obtain materials for use during the course.

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. Student may use all technology in classroom setting only for educational purposes as approved by 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 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%20Communication%20with%20Students%20Policy%20-%202014%2006%2005.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.

Course Delivery

Course materials are delivered primarily through lectures, videos, in class discussions, and corresponding textbook readings.

As a courtesy, course notes are provided in PowerPoint format on UM Learn. It is your responsibility to access UM Learn and download these materials: <https://universityofmanitoba.desire2learn.com/d2l/home>

Please note I am under no obligation to post the PowerPoint notes; they are intended to assist you and not replace your personal notes. These materials are subject to copyright (please see Section regarding the use of copyrighted material).

For assistance with UM Learn:
Client Services Help and Solutions Centre (204.474.8600)
Email: support@cc.umanitoba.ca
123 Fletcher Argue (Mon to Fri: 8:00 AM. - 8:00 PM)

These online materials are not a substitute for coming to class, and you cannot use these notes exclusively as they will need to be supplemented by notes from lecture and the textbook. If you miss a class, you are responsible for obtaining the missing notes from a classmate. The instructor will not provide notes for any reason. Students are NOT permitted to partially or entirely photograph, audio, or video record lecture, unless they have obtained permission from the instructor.

Expectations: I Expect You To

The lecture material covered in each class is provided on UM Learn. Since the notes are made available to you, I expect each student to be actively listening and involved in class discussions. You are required to attend every class. I expect you to come to class each week having read the outlined chapter in the text book and be prepared to discuss the topics outlined. You may use your computer to take notes during class. I will treat you with respect and would appreciate the same courtesy in return. See [Respectful Work and Learning Environment Policy](#).

Further Student Expectations:

- Know course and university policies.
- Read and understand the course syllabus.
- Students are expected to attend class, be on time, and take notes.
- Students may not use cell phones during class and if using laptops or tablets must only be used for class-related purposes.
- Be courteous and respectful.
- Remain available for all classes and the final exam period
- Consult your UM email account regularly. This is how the instructor and university will communicate with you.
- Read the textbook. Not all of the textbook will be covered in the lectures but may be covered in the test or exam. Not all material covered in the lecture is found in the course textbook.

Academic Integrity:

In addition to the general information about academic integrity and student discipline that you provide (Schedule “A” Policies and Resources), references to specific course requirements for individual work and group work, such as:

- (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) Students should also be made aware of any specific instructions concerning study groups and individual assignments;
- (iv) The limits of collaboration on assignments should be defined as explicitly as possible; and
- (v) All work is to be completed independently unless otherwise specified.

Students 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: You Can Expect Me To

I will be in class for 10 minutes prior to and after the class time. I will ensure that course grade requirements are clearly articulated and repeated several times throughout the course. I will be very responsive to student emails and phone calls and will return those messages within 48 hours. Should the student wish to discuss course materials in more detail, I will arrange a time with the student to meet. I will be consistent with all of my marking and constructive feedback and I ask that in return, students meet the deadlines that are clearly defined within this syllabus. I will treat each of you with respect and ask that you do the same toward me in return.

Class Schedule

Sept. 5	Introduction	Course Syllabus Review/What to Expect
Sept. 7	Introduction to Geography	Geographer's Tool Kit
Sept. 10	Earth History, Earth Interior	Chapter 11
Sept. 12	Drifting Continents: Plate Tectonics	Chapter 12
Sept. 14	Building the Crust with Rocks	Chapter 13
Sept. 17	Earth Systems & Thresholds	Chapter 11
Sept. 19	GeoHazards: Volcanoes & Earthquakes	Chapter 14

Sept. 21	Film: Killer Quake	Chapter 14
Sept. 24	Weathering and Mass Movement	Chapter 15
Sept. 26	Anthropocene/Systems out of Balance	Ppt Notes
Sept. 28	Human Populations	Ppt Notes
Oct. 1	Evolution of Cities	Ppt Notes
Oct. 3	Non-renewable Resource Extraction	Ppt Notes
Oct. 5	In-Class Test #1	Worth 30%
Oct. 8	No Classes - Thanksgiving	
Oct. 10	Film: The Big Fix	Ppt Notes
Oct. 12	Renewable Resource Extraction	Ppt Notes
Oct. 15	Portrait of the Atmosphere	Chapter 1
Oct. 17	Insolation and Temperature	Chapter 2
Oct. 19	Film: Secrets of the Sun	Chapter 2
Oct. 22	Atmospheric Moisture	Chapter 3
Oct. 24	Atmospheric Pressure and Wind	Chapter 4
Oct. 26	Atmospheric Disturbances	Chapter 5
Oct. 29	Film: Hurricane Sandy	Chapter 5
Oct. 31	Atmospheric Disturbances	Chapter 5
Nov. 2	In-Class Test #2	Worth 30%
Nov. 5	The Living Hydrosphere	Chapter 10
Nov. 7	Flowing Water: Fluvial Processes	Chapter 16
Nov. 9	The Work of ice: The Cryosphere & Glacial Landforms	Chapter 17
Nov. 12-16	No Classes – Fall Break	

Nov. 19	Voluntary Withdrawal Date	
Nov. 19	Global Water Shortage	Chapter 10
Nov. 21	Film: For the Love of H2O	Chapter 10
Nov. 23	Climate and Life: Biomes	Chapter 7
Nov. 26	Patterns of Life: Biogeography	Chapter 8
Nov. 28	Agriculture/Soil Resources	Chapter 9
Nov. 30	Film: Lords of Nature	Chapter 7
Dec. 3	Climate Change	Chapter 6
Dec. 5	Course Review	All Chapters
Dec. 7	Open Questions Period	All Chapters
Dec. 10-21	Final Exam (Date to be determined)	Worth 40%

Course Evaluation Methods

Students are evaluated based on two In-Class Tests worth 30% each, as well as a final exam (held during the University of Manitoba Examination period in December) worth 40% of grade.

In-Class Test #1	30%
In-Class Test #2	30%
Final Test	40%
TOTAL	100%

Grading

The grading scale used by the Department of Environment and Geography is:

Letter Grade	Percentage out of 100	Grade Point Range	Final Grade Point
A+	90-100	4.25-4.5	4.5
A	80-89	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

In-Class Tests/Exam

Should student not attend the in-class tests or the final exam, they will receive a zero. In accordance with the University of Manitoba Policy for Assignments, Reports, Tests, and Presentations: Without permission of the instructor and supporting documentation (e.g. medical certificate) or reasons provided, acquired **PRIOR TO THE TEST DATE**, will result in a grade of “F”. Students will not be permitted to miss tests or exams, except for documented medical or compassionate reasons.

Academic Supports: The University of Manitoba provides many services and supports to encourage good scholarship and overall health and wellness including: instruction to improve writing skills, best use practices for copyrighted materials, and supports for studying for examinations etc., personal health (both mental and physical) including: student advocacy, student counseling and health services, etc. and supports for assaults (both verbal and physical). These are designed to make each student’s experience positive, safe and assist in successful completion of courses and programs of study. The University provides and encourages all members and students to maintain a respectful work and learning environment. Policies have been developed regarding threatening behavior, or assaults whether verbal or physical to support victims and discipline offenders. For more information on these see Schedule “A” found at the end of the course syllabus.

Schedule “A”

Section (a) Academic Supports

Writing and Learning Support: The Academic Learning Centre (ALC) offers services that may be helpful to you throughout your academic program. Through the ALC, you can meet with a learning specialist to discuss concerns such as time management, learning strategies, and test-taking strategies. The ALC also offers peer supported study groups called Supplemental Instruction (SI) for certain courses that students have typically found difficult. In these study groups, students have opportunities to ask questions, compare notes, discuss content, solve practice problems, and develop new study strategies in a group-learning format.

You can also meet one-to-one with a writing tutor who can give you feedback at any stage of the writing process, whether you are just beginning to work on a written assignment or already have a draft. If you are interested in meeting with a writing tutor, reserve your appointment two to three days in advance of the time you would like to meet. Also, plan to meet with a writing tutor a few days before your paper is due so that you have time to work with the tutor’s feedback.

These Academic Learning Centre services are free for U of M students. For more information, please visit the Academic Learning Centre website at: <http://umanitoba.ca/student/academiclearning/>

You can also contact the Academic Learning Centre by calling 204-480-1481 or by visiting 201 Tier Building.

University of Manitoba Libraries (UML): As the primary contact for all research needs, your liaison librarian (if they weren’t recently fired by Central Administration) can play a vital role

when completing academic papers and assignments. Liaisons can answer questions about managing citations, or locating appropriate resources, and will address any other concerns you may have, regarding the research process. Liaisons can be contacted by email or phone, and are also available to meet with you in-person. A complete list of liaison librarians can be found by subject: <http://bit.ly/WcEbA1> or name: <http://bit.ly/1tJ0bB4>

In addition, general library assistance is provided in person at 19 University Libraries, located on both the Fort Garry and Bannatyne campuses, as well as in many Winnipeg hospitals. For a listing of all libraries, please consult the following: <http://bit.ly/1sXe6RA>. When working remotely, students can also receive help online, via the Ask-a-Librarian chat found on the Libraries' homepage: www.umanitoba.ca/libraries

Section (b) Mental Health

For 24/7 mental health support, contact the Mobile Crisis Service at 204-940-1781.

Student Counselling Centre: Contact SCC if you are concerned about any aspect of your mental health, including anxiety, stress, or depression, or for help with relationships or other life concerns. SCC offers crisis services as well as individual, couple, and group counselling. Student Counselling Centre: <http://umanitoba.ca/student/counselling/> 474 University Centre S207 Medical Services (204) 474-8592

Student Support Case Management: Contact the Student Support Case Management team if you are concerned about yourself or another student and don't know where to turn. SSCM helps connect students with on and off campus resources, provides safety planning, and offers other supports, including consultation, educational workshops, and referral to the STATIS threat assessment team. Student Support Intake Assistant <http://umanitoba.ca/student/case-manager/index.html> 520 University Centre (204) 474-7423

University Health Service: Contact UHS for any medical concerns, including mental health problems. UHS offers a full range of medical services to students, including psychiatric consultation. University Health Service <http://umanitoba.ca/student/health/> 104 University Centre, Fort Garry Campus (204) 474-8411 (Business hours or after hours/urgent calls)

Health and Wellness: Contact our Health and Wellness Educator if you are interested in information on a broad range of health topics, including physical and mental health concerns, alcohol and substance use harms, and sexual assault. Health and Wellness Educator <http://umanitoba.ca/student/health-wellness/welcome.html> Katie.Kutryk@umanitoba.ca 469 University Centre (204) 295-9032. Live Well @ UofM: For comprehensive information about the full range of health and wellness resources available on campus, visit the Live Well @ UofM site: <http://umanitoba.ca/student/livewell/index.html>