



**University
of Manitoba**

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

**Introduction to Environment and Health
ENVR 3400
Fall 2023**

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COURSE DETAILS

Course Title & Number:	Introduction to Environment and Health, ENVR 3400
Number of Credit Hours:	3
Class Times & Days of Week:	Sept. 7, 2023 – Dec 7, 2023 Tuesday and Thursday 1:00- 2:15pm
Location for classes:	St. Paul's College Rm: 325

Instructor Contact Information

Instructor(s) Name:	Dr. Alistair Brown
Preferred Form of Address:	Dr. Brown
Office Hours or Availability:	Please email to schedule an appointment Cisco WebEx also has 15 mins slots if you want to video chat
Email:	alistair.brown@umanitoba.ca E-mails will be answered within 24 hours Mon-Fri.
Contact:	I look forward to meeting every student. Some correspondence will require documentation and therefore is best done by e-mail (such as requesting special permission).

General Course Information

This course is an overview of the linkages between human health and environmental issues. The course discusses the nature of environmental hazards, human exposure, and health outcomes. Major environmental and human health issues such as air pollution, hazardous substances, endocrine disruptors, and products in the home are covered. Prerequisite: 60 credit hours of university credit.

Course Goal

This course will provide an overview of tools that are used to generate information about the relationship between the environment and health (e.g., epidemiology, risk assessment) and how this information informs public health policy and practice. Students will engage more deeply on an environmental health topic of their choosing.

Intended Learning Outcomes

- Describe and illustrate with specific examples the ways in which environmental factors can harm or benefit health.
- Recall different methods of gaining information about the relationship between the environment and health and explain their strengths and weaknesses.
- Evaluate factors that drive differences in the distribution of environmental hazards/benefits and their health impacts, both locally and globally.
- Synthesize complex environmental health issues and relay them to a general audience.
- Critically evaluate a contemporary environmental health issue.

Recording Class Lectures

Alistair Brown of the University of Manitoba holds copyright over the course materials, presentations and lectures which form part of this course. No audio or video recording of lectures or presentations can be distributed to people outside of the course in whole or in part without permission of Alistair Brown. Course materials (both paper and digital) are for the participant's private study and research.

Textbook, Readings, Materials

REQUIRED TEXT: Environmental Health: From Global to Local – 3rd edition, by Howard Frumkin

To purchase e-book: <http://bookstore.umanitoba.ca/CourseMaterials.aspx>

Course Technology

COURSE RESOURCES: Course notes, detailed instruction on assignments and general course communications are posted on UM Learn. All assignments and exams 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](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](http://umanitoba.ca/admin/governance/media/Electronic_Communication_with_Students_Policy_-_2014_06_05.pdf)

Please note that all communication between me 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.**

Student Guidelines

ATTEND CLASS: It is no secret that there is a strong correlation between attending lectures and being engaged while asking questions and getting a good grade in this course. While it is possible to do well without attending lectures, that is definitely not the norm.

VOLUNTARY WITHDRAWAL DATE: Tuesday Nov. 21st, 2023

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 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

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.

The subject matter will be any combination of the following topics (or additional ones) dependent on time:

Introduction to Environmental Health
 Ecology and Ecosystems
 Sustainability and Health
 Intro to Epidemiology
 Toxicity and Toxicology
 Exposure Science
 Genes, Genomics, and Environmental Health

MID-TERM EXAM- Tuesday Oct. 24th, 2023

Environmental Psychology
 Environmental Health Ethics
 Air Pollution
 Water and Health
 Solid Waste
 Pest Control and Pesticides
 Food Systems and Health
 Buildings and Health
 Housing and Health

Course Evaluation Methods

In many cases there is a grader-marker to assist with the marking load. In each case, you will receive a grade 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 my attention and arrange a time to meet with me.

Students will be evaluated through the following assignments:

GROUP PROJECT:	(25%)
MID-TERM IN-CLASS TEST (OCT 24TH):	(35%)
FINAL CUMULATIVE EXAM (TBA):	(40%)
TOTAL:	100%

Video project (25%): You will work in pairs to produce a 10-minute *narrated* slide presentation (e.g., in PowerPoint) based on an environmental health topic of your choosing. The purpose of this assignment is to give you a chance to develop deeper insight into a specific issue that interests you, and to evaluate your techniques learned in class. A rubric will be posted in UMLearn under the assignments tab. Students will have the opportunity to choose their paired group by a certain date, after which groups will be randomly assigned by UMLearn.

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.

Quiz/ Test Grading Times

Marks on graded quizzes and tests will be available within <1 week after the submission date whenever possible. All materials submitted electronically on UM Learn will be graded and comments provided on UM Learn.

Quiz Make-Up and Late Policy

From the UM Provost and Vice-President Academic:

“Students who are unable to meet a course requirement due to medical circumstances are currently not required to submit medical notes. However, students are required to contact their instructor or academic advisor by email to inform of the missed work and to make arrangements for extensions, deferrals, or make-up assignments. Please follow these guidelines if you are unable to meet an academic requirement for your courses:

- Contact your instructor for term work such as a class, quiz, midterm/test, assignment, lab.
- Contact an advisor in your faculty/college/school of registration for a missed final exam (scheduled in the final examination period).
- Inform your instructor/advisor as soon as possible do not delay. Note for final exams, students must contact **within 48 hours** of the date of the final exam.
- Email your instructor/advisor from a **U of M email address**, and include your full name, student number, course number, and academic work that was missed.”