



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

**Advanced Issues in Environment and Health**

**ENVR 4400**

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## COURSE DETAILS

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<b>Course Title &amp; Number:</b>	Advanced Issues in Environment and Health, ENVR 4400
<b>Number of Credit Hours:</b>	3
<b>Class Times &amp; Days of Week:</b>	Tue/Thur 1:00-2:15pm
<b>Location for classes/labs/tutorials:</b>	204 St. John's College / other locations on and off campus
<b>Pre-Requisites:</b>	ENVR 3400 (C)

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## Instructor Contact Information

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<b>Instructor(s) Name:</b>	Kristina Hunter, M.Sc.
<b>Preferred Form of Address:</b>	Kristina or Ms. Hunter
<b>Office Location:</b>	250 Wallace Building
<b>Office Hours or Availability:</b>	Mon 10:20-10:50am Wed 10:20-10:50am Thur 11:15-12:00pm Fri 10:20-10:50am
<b>Office Phone No.</b>	204-474-6461 (no return calls made)
<b>Email:</b>	<a href="mailto:Kristina.Hunter@umanitoba.ca">Kristina.Hunter@umanitoba.ca</a> E-mails will usually be answered within 24 hours Mon-Fri.
<b>Contact:</b>	I look forward to meeting every student in person, and you can always see me after class, or during my office hours. Some correspondence will require documentation and therefor is best done by e-mail (such as requesting special permission).

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COURSE DESCRIPTION: An evaluation of global and local environmental health issues and the assessment and management tools used to manage these risks. Case studies of environmental issues and their human health effects are covered. Students have the opportunity to work on a substantial interdisciplinary environmental health project.

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### **General Course Information**

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This course provides an opportunity to perform in-depth investigations into chemical contaminants and case studies relating to human health. Through site visits, guest speakers and seminars students explore complex issues of environment and health.

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### **Course Goal**

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The goal of this course is to gain a deeper understanding of environmental hazards of concern to human health, cases of health impacts, control measures and best practices in the field.

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### **Intended Learning Outcomes**

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Students will be able to define the source, health effects and control measures for major environmental health contaminants. Students will learn about and reflect on environmental health case studies and work on a real-world environmental health project from project design to reporting.

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### **Using Copyrighted Material**

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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](mailto:um_copyright@umanitoba.ca).

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### **Recording Class Lectures**

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Kristina Hunter holds copyright over the course materials, presentations and lectures that 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 Kristina Hunter. Recordings made for student accessibility purposes may not be shared or posted online and must be deleted within 2 weeks of the end of classes. Course materials (both paper and digital) are for the participant's private study and research.

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### **Textbook, Readings, Materials**

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Readings as assigned.

## Course Technology

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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 technology in the classroom 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 a student is on call (emergency) the student should switch his/her cell phone on 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](http://intranet.umanitoba.ca/academic_support/Centre_for_the_Advancement_of_Teaching_&_Learning/resources/wikis_blogs.html).

## Class Communication

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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.

## Expectations: Student

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ATTEND CLASS: The class is not intended to be simply one-way delivery of information, but rather a facilitated dialogue around materials presented. 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 mentally.

Students are expected to attend all classes and may be debarred from the course, resulting in a failing grade if more than 2 weeks (4 classes) are missed without adequate medical documentation or compassionate grounds. 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](http://umanitoba.ca/student/records/leave_return/695.html)

VOLUNTARY WITHDRAWAL DATE: March 20th, 2019

**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.

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## **Student Accessibility Services**

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### **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/accessibility/index.html>  
520 University Centre 204-474-7423 [Student\\_accessibility@umanitoba.ca](mailto:Student_accessibility@umanitoba.ca)

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## **Expectations: Instructor**

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I approach teaching as a journey and it is my job to bring my students along on this journey of discovery. I attempt to spark passion for knowledge, critical thinking and the environment. Students learn and I learn as we take this journey together.

You can expect classes with traditional lecture styles, the use of audio visual materials, and multiple methods of engaging students in the material, eliciting discussion and provoking thought. Some class activities will be outside of the classroom on and off campus. Every contribution is valued, please bring yours.

I see it as my job to bring to you the various issues associated with the discipline, to show you the foundational theories, the emerging practices and examples from the real-world. It is up to you to engage and participate to get the most out of your education.

## Class Schedule

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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.

Schedule as posted on UM Learn.

**Possible Site Visits and Topics:** Asbestos remediation / Hazardous waste management / Analytical Testing / Multiple Chemical Sensitivities / Health and Safety in the Workplace / Biotechnology / Agent Orange / Breast Cancer / Pesticides and Child Development / Human Health Risk Assessment

## Course Evaluation Methods

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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:

Seminar Summaries (8\*5% = 40%) (Individual) Due 1 week after seminar  
Seminar Presentation – Student Topic Investigations (20%) (Individual) Due Thur Jan 24th  
Research Plan (5%) Due Thur Jan 31st  
Research Presentation (10%) Due Tue Apr 2nd  
Research Report (25%) Due Tue Apr 9th

## Grading

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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

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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

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

## Assignment Grading Times

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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

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**All assignments are due at the beginning of class (1:00 pm).** Late submissions may be accepted based on medical or compassionate grounds. Extensions are not normally granted unless there are extenuating circumstances. No make-up assignments or re-do of past assignments are allowed.