



**UNIVERSITY OF MANITOBA**  
**CLAYTON H. RIDDELL FACULTY OF ENVIRONMENT, EARTH, AND RESOURCES**  
**DEPARTMENT OF ENVIRONMENT AND GEOGRAPHY**

## **ENVR 2000 A01: ENVIRONMENTAL SCIENCE II: ISSUES**

**COURSE SYLLABUS: WINTER 2024**

### **Territory Acknowledgement**

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*The University of Manitoba campuses are located on original lands of Anishinaabeg, Cree, Oji-Cree, Dakota and Dene peoples, and on the homeland of the Métis Nation. We respect the Treaties that were made on these territories, we acknowledge the harms and mistakes of the past, and we dedicate ourselves to move forward in partnership with Indigenous communities in a spirit of reconciliation and collaboration.*

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## Course Details

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<b>Course Title &amp; Number:</b>	ENVR 2000 A01
<b>Number of Credit Hours:</b>	3 credit hours
<b>Class Times &amp; Days of Week:</b>	MWF 9:30 – 10:30 am
<b>Prerequisites:</b>	ENVR 1000 or BIOL 1340

## Instructor Contact Information

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<b>Instructor(s) Name:</b>	Dr. John Iacozza
<b>Preferred Form of Address:</b>	John or Dr. Iacozza
<b>Office Location:</b>	250 Wallace Building
<b>Office Hours or Availability:</b>	Monday 11:00 am – 12:00 pm or by appointment
<b>Office Phone No.</b>	204-474-8483
<b>Email:</b>	John.Iacozza@umanitoba.ca
<b>Contact:</b>	I will respond to emails or phone calls between 9 am and 4 pm, Monday to Friday. All efforts will be made to respond within 48 hours, excluding weekends.

## Course Description

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*Calendar Description:* This course will briefly review the major features of the structure and function of natural systems along with the degree to which these have been compromised. The main component of the course, however, will concentrate on the identification of the issues that underlie environmental degradation, while exploring alternative conditions that have the potential to reverse current trends and ultimately contribute to ecological sustainability.

## Course Learning Outcomes

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This course aims to increase your understanding of the various contemporary environmental issues facing the planet and the multi-dimensional solutions available to address these issues. In particular, at the end of the course, students should be able to:

- characterize environmental science and resources, as well as the structure and function of natural systems,
- describe the basic physical and social processes central to various environmental issues,
- summarize the drivers or reasons for environmental issues,
- explain spatial and/or temporal trends in these issues, and
- describe possible solutions to the environmental issue.

## Textbook, Readings, Materials

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Withgott, J.H, M. Laposata and B. Murck. 2016. Environment: The Science Behind the Stories. (Canadian 3<sup>rd</sup> ed.) Pearson. ISBN: 9780321931467 (print) or 9780137878574 (etext)

## What You Can Expect From Me

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- I will listen actively and be respectful ([Respectful Work and Learning Environment Policy.](#))
- I will keep conversations confidential, sharing ideas but not specific stories or names.
- I will be punctual for all class times and meetings.
- I will be available for meetings outside of class times to discuss course material and tests. Please feel free to make an appointment through email if you are not available during office hours.

## What I Can Expect From You

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- You will treat me, and other students with respect ([Respectful Work and Learning Environment Policy.](#))
- You will accept that it is OK not to know, both for yourselves and others, and ask questions when you need to.
- You will attend lectures and take notes, as well as participating in class discussions.
- You will make every effort to read the assigned chapters of the textbook *prior to the unit*. Not all the textbook will be covered in the lectures but may be covered on the quiz or exam.

## Grade Distribution

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LETTER GRADE	PERCENTAGE RANGE	DESCRIPTION
A+	90-100	Exceptional
A	80-89.9	Excellent
B+	75-79.9	Very Good
B	70-74.9	Good
C+	65-69.9	Satisfactory
C	60-64.9	Adequate
D	50-59.9	Marginal
F	0-49.9	Failure

**NOTE:** All final grades are subject to departmental review.

## Lecture and Reading Schedule

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The following table lists the anticipated dates for each unit and associated readings for this course. The schedule is subject to change at the discretion of Dr. Iacozza and/or based on the learning needs of the students (changes are subject to Section 2.8 of the – [ROASS](#)- Procedure).

<i>WEEK #</i>	<i>LECTURE TOPIC</i>	<i>READINGS</i>
1	Unit 1 Foundations: Introduction to Environmental Science	Chapter 1
2	Unit 2 Foundations: Matter, Energy and Physical Environment	Chapters 2 and 3
3	Unit 3 Forests	Chapter 10
4	Unit 4 Marine Systems	Chapter 12
5	Unit 5 Air Pollution	Chapter 13
6	Unit 6 Energy	Chapter 15 and 16
7	Unit 7 Mining	Chapter 17
8	Unit 8 Waste	Chapter 18
9	Unit 9 Health	Chapter 19
10	Unit 11 Environmental Ethics	Chapter 20
11	Unit 12 Environmental Policy	Chapter 21
12	Exam Review	Chapter 21

## Voluntary Withdrawal Date

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The Voluntary Withdrawal date is the last date for withdrawing from this course without academic penalty. The voluntary withdrawal date for this course is **March 20, 2024**. Evaluative feedback will be provided prior to this date.

## Course Assessments

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The final grade will be based on three assessments categories: quizzes, final exam, and class participation. The following is a breakdown of the weighting of the assessments with respect to the final grade:

<i>ASSESSMENT</i>	<i>PERCENTAGE</i>
Quizzes (4 @ 12.5%)	50%
Final Exam (2 hours)	40%
Class Participation	10%
<b>TOTAL</b>	<b>100%</b>

Quizzes

Throughout this course, students are required to complete four quizzes, which are available in UMLearn (under Assessments>Quizzes). The material covered on each quiz will be based on lectures and readings for a particular set of units of the course and will not be cumulative. Each quiz will consist of 30 multiple-choice and/or true-false questions and students will have 30 minutes to complete the quiz once it has been started. The quiz will be open for a 24-hour period. All quizzes will use Lockdown Browser and students will be recorded using their webcam. The dates for the quizzes are listed below. Any deferred quiz (see below for reasons for granting extensions) will consist of 5 short answer questions and students will have 30 mins to complete it. The date for any make-up quizzes will be one week from the original date of the quiz (without exception).

Final Exam

The final exam for this course will be a combination of multiple choice and short answer questions. The questions will be designed to test the student's understanding of the main concepts, and integrate the knowledge gained through the various units. The material covered in the final exam will be cumulative and include all units. Questions will not involve any calculations and thus no calculators are needed. Students will have 2 hours to complete the exam on the date scheduled by the University. No extraneous devices (i.e., dictionaries, cell phones, notes, textbooks, etc.) will be allowed for the final exam. Students must be available during the university examination period.

Class Participation

The knowledge and skills you will gain in this course depend on your participation in class learning activities. Participation grade will be based on class attendance and participation in class discussions. The grade will be assessed through the Mentimeter website (menti.com), with an access code provided in class. Students will be prompted to enter their UM email address at the beginning of each class (do not use another email – it will not be accepted). If login page is not available, students are required to restart the web browser. No grade will be given if student is late for class or did not enter their UM email in menti.com at beginning of class. If you are ill or have another valid reason for missing class, please contact Dr. Iacozza by email in advance of the absence and include the reason for missing the class. This will be taken into consideration when assessing participation grade.

**Assessment Due Dates**

The following table lists the tentative dates for the quizzes and final exam for the course. Please note that the dates may be changed if required; students will be advised of any changes in advance of the deadline.

<i>ASSESSMENT</i>	<i>DUE DATE</i>
Quiz #1 (Units 1 and 2)	January 26, 2024
Quiz #2 (Units 3 to 5)	February 16, 2024
Quiz #3 (Units 6 to 8)	March 15, 2024
Quiz #4 (Units 9 to 11)	April 5, 2024
Final Exam (all units)	TBD

## **Extension and Late Submission Policy**

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If the student needs to miss a quiz, it is the responsibility of the student to contact Dr. Iacozza at least 24 hours prior to the date of the quiz, indicating the reason for the extension (see below for reasons for granting deferred quiz). No extensions will be provided if students do not adhere to these policies (i.e. emails after the date of the quiz). If a deferred quiz is granted (see below for acceptable reasons), the date of the quiz will be one week from those listed above. No further extensions will be provided for any reason. The deferred quiz will consist of 5 short answer questions (to be answered in 30 minutes), and therefore any study guidance provided in class may not apply.

Reasons for granting a deferred quiz: a death in your immediate family, an illness in either yourself or in a dependent, religious observance, and student is required to travel for work.

Reasons for not granting a deferral: having another assignment or midterm on the same day, being away from the university for a personal reason (i.e. holiday or personal vacation), being too busy with other course work (i.e. having a midterm that same day or week), not attending the lectures due to personal or compassionate reasons, car broke down and could not submit assignment on time, computer is not working properly and you lost the assignment, or any other reason deemed inappropriate by the Instructor. This is not an exhaustive list.

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 Dr. Iacozza or their academic advisor by email to inform of the missed work and to make arrangements for deferrals. The email must be sent at least 24 hours prior to the date of the quiz.

Students requiring an extension for the final exam need to contact their faculty; Dr. Iacozza cannot provide a different date for the final exam without proper approval for a deferred exam. If you have any questions, please see Dr. Iacozza.

## **Referencing Style**

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Students must use the APA reference style as outlined in the text:

American Psychological Association. (2009). Information on this referencing style can be found on the UM Libraries website: <http://libguides.lib.umanitoba.ca/c.php?g=298394>. If you use the course lectures to answer any questions in the assignments, you must properly cite the course notes. This can be found in the APA reference style guide through the UM Libraries.

## Course Technology

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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 Dr. Iacozza and/or the University of Manitoba Accessibility 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 silent mode and leave the classroom before using it. Your computer or device, and internet connection must meet the UM minimum requirements. You should be familiar with Zoom, the video conferencing system, as well as UMLearn, the course management software used by the University of Manitoba. You can access online resources for UMLearn through [Centre For The Advancement Of Teaching & Learning](#).

All students have access to Office365 through the university. You are encouraged to save your assignments to the Cloud using this program to ensure material is not lost through technological issues. This will not be considered a reason for granting an extension.

## Class Communication

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Ensure that the course name and number are included in the subject line for all emails. Please make sure emails are written in a professional manner, including complete sentences and do not use text language. Emails must be sent from University of Manitoba email accounts; emails from other accounts (such as gmail) will not be responded to.

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).

## Using Copyrighted Material

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Dr. John Iacozza 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 written permission by Dr. Iacozza. This includes taking pictures of the slides during the lectures or quiz questions. Course materials (both paper and digital) are for the participant’s private study and research. If recording needs to be done for accessibility or accommodation reasons, please contact Dr. Iacozza.

Please respect copyright. I 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. 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).



## Academic Integrity

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**Academic Integrity:** Academic dishonesty (plagiarism, cheating) is a very serious matter in any academic institution and is dealt with severely at the University of Manitoba.

*Plagiarism* or any other form of cheating in examinations, quizzes or academic work is subject to serious academic penalty (e.g., suspension or expulsion from the faculty or university). Cheating in examinations or tests may take the form of copying from another student or bringing unauthorized materials into the exam room (e.g., crib notes, pagers or cell phones). Exam cheating can also include exam personation (see below). A student found guilty of contributing to cheating in examinations or term assignments is also subject to serious academic penalty, including a grade of zero on the assignment/exam, a final grade of F in the course or expulsion from the University (based on severity of offense).

To plagiarize is to take ideas or words of another person and pass them off as one's own. In short, it is stealing something intangible rather than an object. Plagiarism applies to any written work, in traditional or electronic format, as well as orally or verbally presented work. Obviously, it is not necessary to state the source of well-known or easily verifiable facts, but 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. **Students must use APA style to properly reference work. Students will be penalized 20% if another style or footnotes are used.**

To provide adequate and correct documentation is not only an indication of academic honesty but is also a courtesy, which enables the reader to consult these sources with ease. Failure to provide appropriate citations constitutes plagiarism. It will also be considered plagiarism and/or cheating if a student submits an assignment or exam written in whole or in part by someone other than him/herself, or copies the answer(s) of another student in any assignment or exam.

Working with other students on assignments, when not permitted by Dr. Iacozza, can constitute Inappropriate Collaboration and may be subject to penalty under the Student Discipline By-Law. An assignment that is prepared and submitted for one course should not be used for a different course. This is called "duplicate submission" and represents a form of cheating because course requirements are expected to be fulfilled through original work for each course.

Please familiarize yourself with the University policy on academic dishonesty found on the following website: <https://umanitoba.ca/student-supports/academic-supports/academic-integrity>. When in doubt about any practice, ask Dr. Iacozza.

Students are encouraged to review the University policy on Responsibilities of Academic Staff with Regards to Students (ROASS):

<https://catalog.umanitoba.ca/undergraduate-studies/policies-procedures/responsibilities-academic-staff-regard-students-policy/>

## **UM Policies and Resources**

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Students should familiarize themselves with the policies and resources at the University of Manitoba under ROASS (Responsibilities of Academic Staff with Regard to Students). A document has been prepared and is available in UMLearn under the Content Tab. If you have any questions about the policies or resources, please contact Dr. Iacozza. I would be happy to help guide you through anything listed in the document.