

**ABIZ 3550 A01 (3 CH)**  
**Environmental Policy**  
**FALL 2022**

138 Agricultural Building, Tue/Thurs: 8:30 AM – 9:45 AM.



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**INSTRUCTOR**

Name: Farhan Islam (he/him)  
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Office hours: By appointment (email me to arrange a time)

**COURSE DESCRIPTION**

Environmental policy development and enactment in Canada; federal and provincial review processes; socio-political aspects of policy development; chemical and pesticide licensing procedures and environmental effects monitoring; environmental policy and sustainability; case studies; discussion of various policies; ethics of development, preservation, and conservation; environmental risk management.

**COURSE OBJECTIVES**

1. To acquaint students with the development and enactment of environmental policy in Canada and the policy process.
2. To show students how economics and other tools can be used to evaluate environmental policies.

3. To introduce students to important aspects of environmental policy, e.g., risk management, irreversibility, sustainability

### COURSE FORMAT AND HEALTH & SAFETY PROTOCOLS

This course will be taught in-person, unless there's a directive from the university that requires us to move to remote delivery. We will observe the health-related safety protocol mandated by the university. Please check the [COVID-19 Updates](#) webpage of the university and the [COVID-19 health and safety protocols](#) to know what is expected of you. The university's policy is also provided later in this course outline.

The class will involve lectures, case discussions, quantitative exercises, and breakout activities in small groups. To ensure that you and your classmates get as much value out of this course as possible, I expect everyone to complete all readings, practice questions or other assigned preparation in advance of the class session and show up ready to discuss this material.

### TECHNOLOGICAL REQUIREMENTS

In the event health mandates or the instructor falling sick for an extended period require switching to remote delivery of classes, you will need a device enabled with a camera and microphone. Further, you will have to be in a location with a stable Internet connection that is strong enough for streaming video.

For quizzes/exams that will be administered via the Respondus Lockdown browser, you will need a device (computer or iPad; note that smartphones and Chromebooks will not work) with one of the following operating systems:

- Windows 10 or 8 (note: will not work with Windows 10S)
- MacOS 11.1+ to 10.12
- iPad iOS: 11.0+ (will not work with other tablets)
- Memory: 2 GB RAM
- Hard Disk Space: 200 MB of free hard disk space for program files

You will need the Chrome browser. Other browsers such as Safari will not work.

If you do not have a laptop computer or one that meets the above specifications, please make sure you let me know as soon as possible so we can make any necessary arrangements.

### COURSE MATERIALS

The following materials are REQUIRED:

Required Textbooks:

Walker, Thomas; Goubran, Sherif; Sprung-Much, Northrop; *Environmental Policy: An Economic Perspective*; September 2020, Wiley-Blackwell

Supplementary Reading



Economic Analysis of Environmental Policy by Ross McKittrick ISBN: 9781442610705, Pub Date: January 2011, University of Toronto Press

There will be several additional readings/journals for the course. Most are listed below. They will be available online or through the U of M library. Details will be provided as needed throughout the term. Electronic copies and hard copies of the textbook are available through the UM Bookstore. If purchasing a used copy, please try to purchase the 4th edition. I cannot guarantee that the 3rd edition will have the same content.

If you are purchasing an e-text, it is strongly recommended you buy it from the Bookstore, if available. An e-text purchased from other vendors may be more difficult to access during online exams.

Please respect copyright laws. Photocopying textbooks or other reading material is a violation of copyright laws and is unethical unless permission to copy has been obtained.

### ASSESSMENT OF LEARNING

There are five graded components in this course:

Quizzes (3 quizzes X 20%)	60%
Group Presentation	10%
Group Project Paper	15%
Participation & Engagement	10%
Individual Paper	5%

Final grades are based on the student's weighted mark. In the event of a skewed distribution of grades, the course marks for the class may be curved up or down as necessary (the weighting of each component will remain unchanged). The following are the **tentative** grade cut-offs.

A+	92-100
A	82-91.9
B+	77-81.9
B	71-76.9
C+	67-70.9
C	61-66.9
D	51-60.9
F	0-50.9

These tentative cut-offs are subject to adjustment up or down depending on the relative performance of the current class compared to prior classes that have taken the course with the same instructor.

#### **1) Quizzes (60% total)**

Quizzes will be based on material covered in readings and lectures. The details of the format will be discussed closer to the first quiz date but are expected to involve multiple question types including multiple-choice and written responses.



## **2) Group Project - Presentation (10%)**

Each group will be required to prepare a **10-to-12-minute** presentation of the findings and recommendations of the concluded project paper.

PPT Slide decks must be submitted through UM Learn under Assignment tab with heading named **“Group Presentation”** on or before **11:59 pm, November 23, 2022**. Only one final PPT slide file submission per group, and the group leader must download the file on the dropbox before the due date.

More detail about the presentations will be provided in class. Slide decks must be submitted through UM Learn in advance of the presentation time.

20% of your presentation grade will be based on a peer evaluation from your group members. The peer evaluation cannot increase your mark, it can only decrease it. Students who receive 100% on the peer evaluation will receive the grade assigned to their group. Students who receive less than 100% will receive up to 20% lower than the grade assigned to their group. If you do not submit a peer evaluation, I will assume you are giving each of your group members 100%.

## **3) Group Project - Paper (15%)**

The term paper is an important vehicle for students to demonstrate their ability to systematically investigate a policy or trade policy topic of their choice. You are invited to form your own group (minimum of 3 to a maximum of 5 member). I do not assign students to groups; I leave you with the opportunity (task) to form groups with those who you know are strong and ambitious performers.

The topic of the term paper along with a research proposal outlined below must be provided to the instructor by **October 8, 2022**, via email (Farhan.Islam@umanitoba.ca) for approval. Please feel free to email the instructor with your questions, proposed topics, or proposal prior that date if desired

A final term paper is due on **November 30, 2022, by 11:59 pm** via UM Learn dropbox under Assignment tab with a heading named **“Group Paper”**. Only one final paper submission per group, and the group leader must download the file on the dropbox before the due date.

**Focus:** The term paper should be Analytical and Empirical in nature. Any policy issue related to the agri-food sector in Canada (or in any province in Canada), the United States or in the European Union will qualify. A review paper will not qualify as a term paper in this course.

**Proposal:** Prepare a research proposal stating the Title of the paper, the main purpose and specific Objectives of your research and the importance of the research topic. In particular, what type of information you hope to generate in this research and who are likely to benefit from this information (i.e., certain individuals, groups of individuals or institutions).

**Research:** Once the proposal is approved, you should proceed with your research. While you search the relevant literature, think critically about the policy issues you are dealing with. Develop a good understanding of the problem you wish to investigate and identify one or two aspects of the problem which appear to be controversial. Focus your research only on these aspects of the problem. It is more



important to do an in-depth analysis of one or two policy issues rather than doing a cursory analysis of many issues. Your term paper could be selected for some competitive awards.

**The Paper:** The final paper should have the following components: (i) An Introduction which will include the objectives of your research, its importance and a brief review of related literature; (ii) An Analytical Framework (Theory); (iii) Data Description & Empirical Analysis; (iv) Policy Analysis and Implications and (v) Conclusion.

**Size:** The final paper should be on 8.5 × 11-inch paper with 1-inch margins all round and 11-point typeface. The term paper will be between 3,500 and 4,000 words. Minimum four peer reviewed academic journals are required to support the paper.

Late papers will receive 0 marks.

The paper must follow APA format.

#### **4) Participation & Engagement (10%)**

Students are expected to attend class consistently and come prepared to actively participate in class discussions. Participation will be graded for each class on a scale of 0-3, where a score of 3 would be assigned to a student who makes a comment demonstrating preparation, critical thinking and the ability to justify their point of view in a way that advances class discussion. Students will receive a score of zero for unexcused absences. See attendance policy for more information.

Although this will require that each of you speak up on occasion, you do not need to have an insightful comment in each class to get a high participation grade. Your participation grade will be relative and scaled based on the participation of your peers. I will provide a mid-term update on your progress so you can adjust your participation if needed.

#### **5) Individual Paper – Article analysis (5%)**

Select a news article (**no more than 6 months old**) that illustrates a specific environmental economics and or environmental policy related topic (Canada and USA strongly recommended). Summarize and analyze the article and explain how it relates to your topic. Total length of the paper should be 2 pages with a separate title page. Paper should be in APA format only. The paper will be evaluated on the student's ability to develop ideas and to integrate course concepts into their arguments. This involves both the content of the paper (ideas, arguments, etc.) as well as the presentation (grammar, spelling, clarity of writing, etc.). Minimum one additional academic journal required to support the paper.

Student must discuss with the instructor about the topic and get it approved.

The written paper will be due on or **before 11:59 pm, December 7, 2022**. The paper should be submitted on UM Learn under Assignments tab with a heading named as **“Term Paper”**.

Late papers will receive 0 marks.

Paper submitted must be on 8.5 × 11-inch paper with 1-inch margins all round and 11-point typeface. The paper must follow APA format.



### MISSED EXAM AND LATE SUBMISSION POLICY

If you miss quizzes for a valid reason (medical, compassionate or other as specified in University Policy on Accommodations for Missed Undergraduate Term Examinations), please notify me **within 48 hours** to schedule a makeup exam. We can adjust the weight of the quiz to other quizzes or if possible, arrange for a make up quiz.

Do not make travel plans during the quiz days. I cannot let you take the quiz earlier/later because you made bookings for an earlier date.

### ATTENDANCE POLICY

For the sake of your own learning and the learning of your classmates, regular attendance and participation in the course is expected. If you are experiencing a personal matter (health or otherwise) that you expect will cause you to miss multiple classes, please reach out to me so we can figure out a plan to make sure you are able to keep up with course material.

### ELECTRONIC DEVICE POLICY

For in-person classes, you may use a laptop or tablet for notetaking. If you are using a laptop, please sit towards the back of the class if feasible for you to avoid distracting those sitting behind you.

You are NOT allowed to use smart phones or any other phones and cannot audio/video record any lectures.

We will observe the protocols that would be expected during in-person classes. Avoid making or taking calls on your cellphone while class is in progress. No frivolous posting of messages in the Chat area during class. Please do not video/audio record class lectures or take pictures of the screen without permission.

### OUT-OF-CLASS COMMUNICATION

I will communicate with you primarily through the Announcement feature on UM Learn. Check UM Learn frequently and read all communication thoroughly. PowerPoint slides, project guidelines and other helpful materials will also be posted on UM Learn.

I am also accessible via email, but I try to limit time spent answering emails outside of my work hours. Unless otherwise noted, I will respond to emails within 24 – 48 hours.

**Whenever you email me, please include “ABIZ 3550 – A01” in the subject line. This will make it less likely for your message to get lost in my inbox.**

### CLASS SCHEDULE

Session	Topic & Activities	Readings
Sep 8	Introduction	



	<ul style="list-style-type: none"> <li>• Intro to course</li> <li>• Review of course outline</li> </ul>	
Sep 13	<b>Chapter 1</b> – Overview	
Sep 15, 20	<b>Chapter 2</b> – Responses to Climate Change: Individual Preferences and Policy Actions around the World	
Sep 20, 22	<b>Chapter 3</b> – Legislation or Economic Instruments for a Successful Environmental Policy?	
Sep 25	<b>Chapter 5</b> – Bulk Water Pricing Policies and Strategies for Sustainable Water Management	
Sep 27	<b>Chapter 6</b> – The Role of Water Pricing Policies in Steering Urban Development	
<b>Oct 4</b>	<b>Quiz 1 – based on Chapters 1, 2, 3, and 5</b> <b>Time – 8:30 AM – 9:15 AM (45-minute quiz)</b>	
Oct 6, 11	<b>Chapter 7</b> – Effective Environmental Protection and Regulatory Quality	
Oct 11, 13	<b>Chapter 8</b> – The EU Legal and Regulatory Framework for Measuring Damage Risks to the Biodiversity of the Marine Environment	
Oct 13, 18	<b>Chapter 9</b> – Redefining Nature and Wilderness through Private Wildlife Ranching	
Oct 20, 25	<b>Chapter 10</b> - Climate Change Regulations and Accounting Practices: Optimization for Emission-Intensive Publicly Traded Firms	
Oct 25, 27	<b>Chapter 11</b> – The Economic Aspects of Renewable Energy Policies in Developing Countries	
<b>Nov 1</b>	<b>Quiz 2 – based on Chapters 6 to 10</b> <b>Time – 8:30 AM – 9:15 AM (45-minute quiz)</b>	
Nov 3	<b>Chapter 12</b> – Ontario’s Energy Transition: A Successful Case of a Green Jobs Strategy?	
<b>Nov 8</b>	<b>No Class – Fall Term Break</b>	
<b>Nov 10</b>	<b>No Class – Fall Term Break</b>	
Nov 15, 17	<b>Chapter 13</b> – Ethical and Sustainable Investing and the Need for Carbon Neutrality	
Nov 17, 22	<b>Chapter 14</b> – Building Sustainable Communities Through Market-Based Instruments	
Nov 24	<b>Chapter 15</b> – Climate Justice and Food Security	
<b>Nov 29</b>	<b>Quiz 3 – based on Chapters 11 to 15</b> <b>Time – 8:30 AM – 9:15 AM (45-minute quiz)</b>	
Dec 1	<b>Group Presentations</b>	---
Dec 6	<b>Group Presentations</b>	---
Dec 8	<b>Group Presentations</b>	---

### IMPORTANT DATES

- Revision Period – September 7-21
- Drop Date (with Refund) – September 20



- Quiz 1 – October 4
- Quiz 2 – November 1
- Quiz 3 – November 29
- Voluntary Withdrawal Date – November 22
- Group Project Paper – November 30
- Individual Paper – December 7





## ACADEMIC INTEGRITY POLICY

Academic integrity is critical to the reputation of the Asper School of Business and for the degrees we award. As the Faculty that helps create business and government leaders, we have a special obligation to ensure that our ethical standards are beyond reproach. Therefore, the Asper School takes academic misconduct very seriously and does what it takes to uphold the highest academic integrity standards. You can find information on what constitutes academic misconduct on the University of Manitoba's [Academic Integrity webpage](#). It is your responsibility to educate yourself on what's acceptable and what's not. Ignorance is no excuse. When in doubt, talk to your instructor.

Examples of academic misconduct include, but are not limited to:

- using the exact words from a published or unpublished source without quotation marks and without referencing that source both in-text and in the Bibliography
- reproducing a table, graph, or diagram, in whole or in part, without referencing the source
- paraphrasing someone else's words without referencing the source both in-text and in the Bibliography
- using a paper (or parts of it) that was submitted in one course for an assignment in another course, without discussion with both the instructors involved
- getting your assignment done by someone else, either for payment or otherwise
- using material available on file-sharing sites such as Course Hero, Chegg, etc. Uploading material to such sites also constitutes academic misconduct depending on what is shared.
- copying the answers of another student in any exam or assignment
- providing exam answers or assignments to other students via any medium or obtaining them from other students or websites
- taking any unauthorized materials into an examination (crib notes), regardless of whether those are used during the exam
- recording exam questions using any method, regardless of whether those are shared with others
- sharing exam questions with those who are yet to take the exam, including future students or attempting to sell exam questions
- impersonating another student or getting another person to impersonate you for the purpose of attendance, earning class participation marks, submitting academic work, or writing an exam
- changing any part of test answers after that test has been graded and returned

### Group Projects and Group Work

Many courses in the Asper School require group projects. All group members should exercise special care to ensure that the group project is free from plagiarism. Should a violation occur, group members are jointly accountable unless the violation can be attributed to specific individuals.

Some courses, while not requiring group projects, encourage students to work together in groups before submitting individual assignments. If it's unclear whether it is allowed, students are encouraged to seek clarification from the instructor to avoid violating the academic integrity policy.



## STUDENT SERVICES AND SUPPORTS

The University of Manitoba provides many different services that can enhance learning and provide support for a variety of academic and personal concerns. You are encouraged to visit the below websites to learn more about these services and supports.

<b>For Information on...</b>	<b>...follow this link</b>
Reporting discriminatory behavior by another university member	<a href="#">Speak Up</a>
Tech-related issues with UM Learn or videoconferencing	<a href="#">Information Services &amp; Technology</a>
Admission, Registration, Tuition Fees, Important Dates, Final Exams, Graduation, and Transcripts	<a href="#">Registrar's Office</a>
Academic policies & procedures, regulations, Faculty-specific information, degree and major requirements	<a href="#">Academic Calendar</a>
Help with research needs such as books, journals, sources of data, how to cite, and writing	<a href="#">Library Resources</a>
Tutors, workshops, and resources to help you improve your learning, writing, time management, and test-taking skills	<a href="#">Writing and Learning Support</a>
Support and advocacy for students with disabilities to help them in their academic work and progress	<a href="#">Student Accessibility Services</a>
Copyright-related questions and resources to help you avoid plagiarism or intellectual property violations	<a href="#">Copyright Office</a>
Student discipline bylaws, policies and procedures on academic integrity and misconduct, appeal procedures	<a href="#">Academic Integrity</a>
Policies & procedures with respect to student discipline or misconduct, including academic integrity violations	<a href="#">Student Discipline</a>
Students' rights & responsibilities, policies & procedures, and support services for academic or discipline concerns	<a href="#">Student Advocacy</a>
Your rights and responsibilities as a student, in both academic and non-academic contexts	<a href="#">Your rights and responsibilities</a>
Medical services for any physical or mental health issues	<a href="#">University Health Service</a>
Information on health topics, including physical/mental health, alcohol/substance use harms, and sexual assault	<a href="#">Health and Wellness</a>
Mental health, including anxiety, stress, depression, help with relationships or other life concerns, crisis services, and counselling.	<a href="#">Student Counselling Centre</a>
Support services available for help regarding any aspect of student and campus life, especially safety issues	<a href="#">Student Support Case Management</a>
Resources available on campus, for environmental, mental, physical, socio-cultural, and spiritual well-being	<a href="#">Live Well @ UofM</a>
Help with any concerns of harassment, discrimination, or sexual assault	<a href="#">Respectful Work and Learning Environment</a>
Concerns involving violence or threats, protocols for reporting, and how the university addresses them	<a href="#">Violent or Threatening Behaviour</a>



## UNIVERSITY OF MANITOBA COVID-19 HEALTH & SAFETY POLICY

April 8, 2022

The University of Manitoba (the “UM”) is committed to maintaining a safe learning environment for all students, faculty, and staff. Should campus operations change because of health concerns related to the COVID-19 pandemic or other campus-wide emergency, it is possible that this course will move to a fully remote delivery format. Should the instructor be required to stay at home for an extended period and an alternate instructor not be available, the course may move temporarily to a remote delivery format.

### **Mask Wearing**

In a face-to-face environment, our commitment to safety requires students to observe all Covid guidelines set by the University (<https://umanitoba.ca/coronavirus> )

**While on campus and in class, you must wear masks** as stipulated in current [University policies, procedures, and guidelines](#). The University highly recommends the use of KN-95 masks; the minimum requirement is a ATSM Level 2 Medical mask. Both mask types are available at many locations on campus.

Students who fail to comply are subject to disciplinary action in accordance with the [Student Discipline Bylaw](#) and the [Non-Academic Misconduct and Concerning Behaviour Procedure](#).

If you do not follow masking requirements, you will be asked to leave the learning space and may only return to the class already in progress when you have complied with this requirement. Repeated issues will result in disciplinary action as previously noted.

**Students should not eat or drink during class time.**

### **Illness**

Remember: **STAY HOME IF YOU HAVE SYMPTOMS OR ARE ILL**. If you become ill we highly recommend that you [self-isolate](#); you should notify your instructor by email so you can develop a plan to complete the course learning outcomes while you are absent.

What to do if you become ill while at UM:

1. Leave the classroom, lab, or workspace immediately. Continue to wear your mask while leaving the premises and/or while waiting for transportation.
2. Perform hand hygiene (soap and water or hand sanitizer) and avoid contact with others and minimize contact with the physical environment.
3. Once at home, complete the [MB self-assessment](#) and follow the directions that are provided.
4. Inform your instructor(s) or, if in residence, the appropriate individual.



5. Please remain off-campus and all UM facilities until cleared to return in accordance with self-assessment, testing results, and UM recommended isolation procedures.

**Recommended transportation options (in order):**

1. Drive yourself home.

2. Pick-up by family or friend – remember to keep your mask on and to distance as much as possible, and where possible, open a window to improve ventilation.

3. Pickup by taxi/Uber:

- Remain masked and perform hand hygiene before entering the vehicle.
  - Avoid touching the inside of the vehicle
  - Keep your mask on for the duration of the ride
  - Where possible, open a window to improve ventilation.

4. Winnipeg Transit buses – We recommend that you do not use Winnipeg Transit in this situation.



## ABOUT THE INSTRUCTOR

### Farhan Islam, MA, BA, BSc. (Instructor)

**Areas of Research Interest:** Sustainability, Financial Derivative Modelling, Econometric Analysis, Statistical Modelling, Network Security, and Risk Management

**Areas of Teaching Interest:** Supply Chain Management, Leadership, Business Ethics, International Finance and Derivative Markets, Economics, Statistics, Project Management, Agribusiness Management and Economics, Sustainability, Actuarial Studies, and Computer and Network Programming.

Mr. Farhan Islam is one of the respected Instructor at Asper Business School with vast teaching experience and interests. He has extensive experience in green sustainability, risk analysis, lean systems, and economic development. He has also been involved in developing and launching start-up small companies as well as government projects.

Farhan has taught wide variety of courses in Agribusiness, Economics, Statistics, Mathematics, Marketing, Information Systems, and Management. Farhan also teaches at University of Winnipeg and Red River College Polytechnic. He is a business and Policy Consultant and runs an independent consultancy firm globally. He was a major researcher and was involved in policy consideration in University of Manitoba Transport Institute (UMTI) “GrEEEn Trucking Program” in 2011-2012 which become one of the major successful projects in UMTI.

Farhan is currently pursuing Chartered Financial Analyst (CFA), completing Project Management Professional (PMP), Actuarial designation (ASA), VMware Certification, and Lean Six Sigma Certification.

In his free time, Farhan enjoys travelling, cycling, playing soccer, cricket, tennis, basketball, badminton, singing, painting, and virtually any other outdoor activity.

