



University of Manitoba
Faculty of Agriculture and Food Sciences,
Department of Agribusiness and Ag. Economics

COURSE DETAILS

Course Title & Number:	Introduction to Environmental Economics - ABIZ 2390 A01
Number of Credit Hours:	3
Class Times & Days of Week:	9:30 am to 10:20 am; MWF
Location for Classes:	Online (Zoom)
Pre-Requisites:	A minimum Grade of C or better in any of ECON 1010 ; ECON 1011 ; ECON 1200 ; ECON 1201 ; ECON 1210 ; ECON 1211 ; ECON 1220 ; ECON 1221

Instructor Contact Information

Instructor(s) Name:	Francis Kwami Dzikpe
Preferred Form of Address:	Francis
Office Location:	519 Fletcher Argue Building
Office Hours or Availability:	Monday's: 12:00 noon - 1:00 pm (or, by appointment)
Office Phone No.	N/A
Email:	francis.dzikpe@umanitoba.ca or dzikpef@myumanitoba.ca
Contact:	Email

Note:

1. You do not need an appointment to see me during my office hours. You can just drop by my office during those times.
2. Any email you send must contain your first and last name and student number at the signature part. It is important you input this information to allow for easy identification. I will not respond to emails without this information.

Introduction and Course Description

April 22, 2021, marks the 51st anniversary of Earth Day and the birth of Modern Environmental Movement. While this period is rightfully credited with significant triumphs in environmental protection and increased awareness of the dangers of an unprotected environment, the last decade has seen significant increase in opposition to environmental policies and issues that threaten to derail the gains made over the period. The above observation leads to different questions. 1. Why so much disagreement over environmental issues? 2. Why do environmentally damaging behaviour persist despite the increased awareness? 3. How can we alter the environmentally damaging behaviour of economic agents? This course (ABIZ 2390) is designed to provide basic answers to these questions from an economics perspective. The course introduces students to the economics of conservation, water, air and land management and the economic implications of environmental standards, pollution charges and licensing.

I hope you will enjoy the class!

Course Description

The University of Manitoba Undergraduate Calendar describes this course as follows:

“Economics of management of water, air and land resources quality, and the economics of conservation. The economic implications of environmental standards, licensing criteria and pollution charges will be illustrated by current issues. Students may not hold credit for both ABIZ 2390 and ECON 2390. Prerequisite: A grade of "C" or better in ECON 1010 or ECON 1011 or the former ECON 1200 or the former ECON 1201 or a grade of "C" or better in both ECON 1210 or ECON 1211 and ECON 1220 or ECON 1221.”

Course Goals

As you complete this course, you should be able to:

1. Generate correct definitions of course concepts
2. Be comfortable working with graphs and basic math to evaluate environmental models
3. Understand the core principles of economic models used to study the environment.
4. Familiarize with predominant Canadian environmental and resource issues.
5. Apply the basic environmental models to a multitude of real-life situations.

Textbook, Readings, Materials

The following required materials are available for purchase from the University of Manitoba Bookstore. Please order your materials immediately, if you have not already done so.

Required textbook: Field, Barry, and Field, Martha. 2021. Environmental Economics: An Introduction, Eighth Edition. McGraw-Hill Education. ISBN – 9781260575491.

Either the print copy or e-text is suitable. There is no requirement to purchase access to a learning site. All assignments will be completed on UMLEARN.

Other readings: If necessary, additional reading materials will be identified and made available on UMLEARN.

Expectations:

Getting to grips with the theories in the text may be a daunting task for many students. A large part of my teaching will focus on explaining the basics of the concepts in the text and solve questions in class to help deepen students understanding. I expect students to respond to questions, but I do not expect perfection. Students are expected to attend lectures, arrive on time, listen attentively, participate in classroom and group activities, take notes and submit assignments on time. Feel free to ask course related questions either in class or send me an email if you can't ask in class. If time does not permit me to explain, arrangement will be made to do so during office hours. Also, I will answer any questions received via email at the start of the next class.

Tentative Class Schedule

This schedule is subject to change at the discretion of the Instructor, pace of the course and/or based on the learning needs of the students but such changes are subject to Section 2.8 of the – [ROASS](#)- Procedure).

Important Date

April 22, 2022 : Voluntary withdrawal date

Course Overview

This course is designed to help students apply the basic principles of economics to a wide variety of environmental issues. The topics in this course will be divided into five sections that follow the textbook chapters.

Section 1: Introduction

- Introduction to Environmental Economics - Chapter 1
- The Economy and the Environment - Chapter 2

Section 2: Analytical Tools for an Environmental Economic Analysis

- Benefits, Costs, Supply and Demand – Chapter 3
- Markets, Externalities and Public Goods – Chapter 4
- The Economics of Environmental Quality - Chapter 5

Section 3: Environmental Policy Analysis

- Framework Analysis - Chapter 6
- Cost-Benefit Analysis - Chapter 7 & 8
- Criteria for Environmental Policies – Chapter 9
- Environmental Policy Instruments: Property rights, Voluntary Action, Command-Control Strategies, Incentive Based Strategies – Chapters 10, 11, 12 and 13

Section 4: Global Environmental Issues and Climate Change

- Global Climate Change and International Environmental Agreements: Chapter 18 &19
- Economic Development and the Environment – Chapter 21

Course Evaluation Methods

Date	Assessment Tool	Weight
Varied dates	Assignments	10%
March 4 th , 2022	Mid Term #1 (Online)	20%
April 6 th , 2022	Mid Term #2 (Online)	20%
During Exams period	Final Exam	50%

Learning Activities

Reading the assigned chapters is mandatory. The other learning activities of this course consist of online materials and exercises housed on UMLEARN.

This is a fast-paced course that requires a lot of time and practice. It is important to set up a regular study schedule for yourself, just as if you were attending a regularly scheduled classroom lecture.

Unit/Section Assignments (required)

You are required to complete 5 assignments worth 2 marks each. Each assignment may include multiple choice, computational, True/False, graphing and or short answer questions covering the material of the chapter. Your assignments will be housed on UMLEARN and submitted on dates to be announced. There are NO EXTENSIONS provided for assignments for any reason, including computer or other technical issues. You are expected to work regularly on the course material and assignments. Do not leave these until the last day. You will be scored a grade of zero for any missed term work.

Grading

The letter grade for the course will be determined by the scale below. **Your overall grade for the course is subject to departmental approval.** Evaluative feedback will be provided by the voluntary withdrawal date of **April 22, 2022**. Please feel free to contact me before you decide to withdraw from the course.

A+: 93.0 – 100 %,
A= 83.0 – 92.9,
B+ = 75.0 – 82.9%,
B = 70 - 74.9%,
C+ = 65.0 - 69.9%,
C = 60.0 - 64.9 %,
D = 50.0 – 59.9%,
F = 0 – 49.9%

Feedback: I will go over midterm in class and am happy to explain (not solve) any of the Assignments upon request in class. However, it is the duty of each student to study the material covered in class and make use of office hours in order to maximize their performance in the course.

You will have a 2-hour final exam during the regular exams period. The final exam is cumulative, and the date will be set by the Registrar's Office. Check your exams schedule on Aurora for details. The Midterm exam's will be **one hour (1 hour)** long.

Exam Policy: Students will not be permitted to write make-up Term Exam. Any missed assessment will result in re-weighting of your grades.

Exams and Assignments Policy

The assignments are aimed at letting students have a real-world empirical application of the techniques learnt. Hence all assignments must be done independently. Do not engage in “contract” cheating.

Also, I cannot postpone an exam, midterms or give extensions to assignments because of deadlines or exam dates in other courses, computer or connection problems or being forgetful. Doing so would not be fair to other students in the class who likely face pressure from work or in other classes but take the exams, midterms or do the assignments at the scheduled time anyway. Anyone who must miss an exam should notify me as soon as possible (**at least three days before the scheduled exam time**). The only exception to this rule will be a verified serious illness or family emergency. Even in such cases students should notify me prior to the exams.

Re-grading Policy: The appealing of any exam grade should be done formally or informally via email or in person within ten (10) days of receiving your grade. Please note that the request of a remark of an exam, will result in the remark of the entire exam script and not just part of the paper. See the Registrar’s Office website for more information including appeal deadline dates and the appeal form <http://umanitoba.ca/registrar/>

Policy on Unclaimed Term Work: Any term work that has not been claimed by students will be held for four (4) months from the end of the final examination period for the term in which the work was assigned. At the conclusion of this time, all unclaimed term work will become property of the Faculty of Agriculture and Food Sciences and be destroyed according to the Freedom of Information and Protection of Privacy Act (FIPPA) guidelines and using confidential measures of disposal.

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 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

Francis K. Dzikpe 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, picture taking of slides is allowed in any format, openly or**

surreptitiously, in whole or in part without permission. Course materials (both paper and digital) are for the participant's private study.

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. The student can use all technology in classroom setting 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 student is on call (emergency) the student should switch his/her cell phone on vibrate mode and leave the classroom before using it.

Course material will be placed on **UMLearn** during the term. These are made available to help you develop note taking skills during the first-year course. **They are not to be considered complete lecture notes or substitutes for the text book. You still have to take notes and read your text books.** It is the student's responsibility to keep up to date with the course webpage.

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

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). You are required to obtain and use your U of M email account for all communication between yourself and the university.

Expectations: I Expect You To

Disruptions due to excessive talking, use of cellphone or early departures from the classroom are very distracting. Please be considerate and respectful of the needs and rights of others in the class. Students should be aware that persistent disruption may result in disbarment from the course. Any student who has a legitimate reason for leaving class early should inform the instructor at the beginning of the class. Computers should only be used in class for course related matters.

I will treat you with respect and would appreciate the same courtesy in return. See [Respectful Work and Learning Environment Policy](#).

Lecture attendance is very important. This is where you will be guided in understanding the course material. Your participation in class is expected as well as punctuality and respect for your classmates and Instructor.

Academic Integrity:

Students are expected to view the General Academic Regulation section within the Academic Calendar and specifically read the **Academic Integrity** regulation. Consult the course syllabus or ask your instructor for additional information about demonstrating academic integrity in your academic work. Visit the Academic Integrity Site for tools and support <http://umanitoba.ca/academicintegrity/> View the **Student Academic Misconduct** procedure for more information.

The minimum penalty for plagiarism on a written assignment is F on the paper and may result in an F-DISC (discipline) in the course. This notation appears on the student's transcript. For repeat violations, this penalty can also include suspension from the Faculty of Arts for a period of up to 1 year. The minimum penalty for academic dishonesty in a test or final examination is F for the test/examination, and an F-DISC (discipline) in the course plus a suspension from the Faculty of Arts for a period of one year. The F grade and disciplinary notation appears on the student's transcript. For repeat violations, the penalty may include suspension from the Faculty of Arts for a period of up to 5 years.

Additional Information

Your rights and responsibilities:

As a student of the University of Manitoba you have rights and responsibilities. It is important for you to know what you can expect from the University as a student and to understand what the University expects from you. Become familiar with the policies and procedures of the University and the regulations that are specific to your faculty, college or school.

The [Academic Calendar](http://umanitoba.ca/student/records/academiccalendar.html) <http://umanitoba.ca/student/records/academiccalendar.html> is one important source of information. View the sections *University Policies and Procedures* and *General Academic Regulations*.

While all of the information contained in these two sections is important, the following information is highlighted.

- The University is committed to a respectful work and learning environment. You have the right to be treated with respect and you are expected to conduct yourself in an appropriate respectful manner. Policies governing behavior include the:

Respectful Work and Learning Environment

http://umanitoba.ca/admin/governance/governing_documents/community/230.html

Student Discipline

http://umanitoba.ca/admin/governance/governing_documents/students/student_discipline.html
and,

Violent or Threatening Behaviour

http://umanitoba.ca/admin/governance/governing_documents/community/669.html

- If you experience **Sexual Assault** or know a member of the University community who has, it is important to know there is a policy that provides information about the supports available to those who disclose and outlines a process for reporting. The **Sexual Assault** policy may be found at:
http://umanitoba.ca/admin/governance/governing_documents/community/230.html More information and resources can be found by reviewing the Sexual Assault site
<http://umanitoba.ca/student/sexual-assault/>
- For information about rights and responsibilities regarding **Intellectual Property** view the policy http://umanitoba.ca/admin/governance/media/Intellectual_Property_Policy_-_2013_10_01.pdf

For information on regulations that are specific to your academic program, read the section in the Academic Calendar and on the respective faculty/college/school web site
<http://umanitoba.ca/faculties/>

Contact an **Academic Advisor** within our the faculty for questions about your academic program and regulations <http://umanitoba.ca/academic-advisors/>

Student Advocacy

Contact Student Advocacy if you want to know more about your rights and responsibilities as a student, have questions about policies and procedures, and/or want support in dealing with academic or discipline concerns.

<http://umanitoba.ca/student/advocacy/>

520 University Centre

204 474 7423

student_advocacy@umanitoba.ca

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 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.

Students Accessibility Services

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

Mental Health Support

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

Student Counseling 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 counseling.

Student Counseling Centre: <http://umanitoba.ca/student/counseling/index.html>

474 University Centre or 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>