

Course Syllabus – Fall 2023
Ecosystem Management- ENVR/ GEOG 4050, GEOG 7010
Department of Environment and Geography
Clayton H. Riddell Faculty of Environment, Earth, and Resources

Instructor: Dr. Johny Stephen
254 Wallace Building
204.272.1543
johny.stephen@umanitoba.ca (preferred means of contact)

Field Resource: Mr. Robert Wheeldon (Director, Parkland Mews, Winnipeg)

Office Hours: Tuesday: 10:00 – 12:00 PM
Thursday: 10:00 – 12:00 PM
(or by appointment)

Lecture Room: 217, Wallace

Time: Friday 1:30-4:15pm

Course Dates: Sep 06, 2023 - Dec 11, 2023

**Final Voluntary
Withdrawal Date:** Nov. 21rd, 2023

Required Course Materials:

Main Reference: Shepherd, G. 2004. The ecosystem approach to implementation, IUCN, <https://portals.iucn.org/library/sites/library/files/documents/CEM-003.pdf>

Additional Text : Meffe, G., Nielsen, L., Knight, R. L., & Schenborn, D. (2012). Ecosystem management: adaptive, community-based conservation. Island Press.

Various references materials and handouts will be provided from time to time. Students are expected to use libraries, the media, the Internet and other sources to obtain materials for use during the course.

Course Description

This course helps students to explore the practical applications of ecosystem management as an environmental management approach. It engages with ecological science, environmental policy, and resource management approaches in the large and small-scale planning of ecosystems. The course reviews ecological principles and traces the historical development of the ecosystem concept. Comparisons are made to other possible environmental management approaches. There is an emphasis on practical learning by students.

Detailed Course Description

The course is seminar based during which students will take an active role in discussing and questioning specific aspects of, or approaches to, ecosystem management. Background reading materials are provided for each class. Students should prepare themselves for weekly seminars and class discussions by referring to the designated reading materials as well as additional materials of their own choosing (i.e. web searches, newspapers, and scientific peer reviewed literature). Student need to be prepared to discuss and introduce the reading materials in each class.

Method of Evaluation

Students are evaluated based on two minor assignments, a poster and a final term paper and its presentation. Graduate students (GEOG 7010) will need to do additional work after discussion with the Instructor. The following table provides a detailed breakdown of the assessment tool and grade allocation breakdown:

Due Date	Assessment Tool	Value of Final Grade
Oct 6 th 2023	Presentation of Field data	10%
Oct -13 th 2023	Written Assignment -1 (field Assignment)	20%
Nov-10 th 2023	Written Assignment- 2	30%
TBA	Presentation	10 %
Dec-11 th 2023	Final Term paper	30%

The Grade distribution for this course is as follows:

A+: 90% or above (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: ≤ 49% (Failure)

Note: The course instructor reserves the right to assign an alternate assignment or redistribute the percentage distribution between remaining assignments and or term paper for those students who have a valid reason. In cases where there is a valid medical certificate or compassionate reason, the instructor may prorate the value for the test over the balance of the grades available.

Assessments:

Written Assignments (30% each)

There will be two written assignments that are required to be submitted as part of this course. The details of these assignments will be available on UM learn. These assignments will need to be submitted on UM learn. Written assignment 1 (field trip based) will have also have a presentation.

Ecosystem plan presentation-10%

The students will need to make a presentation of their ecosystem management plan. The presentations (PowerPoints) need to be loaded on UM learn for grading. The details of the presentations will be available on UM learn.

The Final Term paper (Ecosystem Management Plan) -30%

The final term paper for this course, would be an ecosystem management plan or parts of the plan. The details of which will be uploaded on UM learn.

GEOG 7010:

Graduate Students are required to do additional work on their assignments and final term paper. The additional work will be decided in consultation with the course instructor.

Late Assignment and Presentation Absence Policy

Should a student not submit their assignments/term paper on time, as indicated within this syllabus, they will receive a zero. In accordance with the University of Manitoba Policy for Assignments, Reports, Tests, and Presentations submitted later than the due date without permission of the instructor and supporting documentation (e.g. medical certificate) or reasons provided, acquired **PRIOR TO THE DUE DATE**, will result in a grade of "F".

ENVR /GEOG 4050 , GEOG 7010 COURSE APPROACH AND POLICIES

Course Delivery:

- Course material will be delivered primarily through lectures, videos, in class discussion and corresponding textbook readings.
- Students are expected to be present in class.
- All communication will be via U of M email and the UM Learn Announcement Tool and students are required to check these daily.
- office hours will on Tuesday and Thursday mornings.
- Your computer or device, and internet connection must meet the UM minimum requirements.
- Students are **NOT** permitted to partially or entirely photograph, audio, or video record lecture, unless they have obtained prior permission from the instructor.

Communicating with your Instructor:

- **Effective September 1, 2013**, the U of M will only use your university email account for official communications, including messages from your instructors, department or faculty, academic advisors, and other administrative offices. http://umanitoba.ca/registrar/email_policy/
- All communications must be professional and courteous.
- **E-mails** must include:
 - The subject heading (**ENVR 4050** , your full name and student number)
 - Come from a University of Manitoba Account (. . . . @myumanitoba.ca).
 - Emails that do not conform to the above will not be returned.
 - Emails requesting information that is found in the course syllabus, or information discussed in class, will not be returned.
- Allow at least **48 hours** for response (weekdays only).

Policy on Respectful Work and Learning Environment (RWLE):

- Each individual has the right to participate, learn, and work in an environment that promotes equal opportunities and prohibits discriminatory practices.

- **RWLE [2016], Section 2.2** The University wishes to promote and support a community which embraces diversity and inclusion, provides for equality of opportunity, and recognizes the dignity of all people.
- **RWLE [2016], Section 2.3 Members** of the University Community, including every student and employee, are entitled to a respectful work and learning environment that is:
 - (a) Free from Discrimination and provides for Reasonable Accommodation.
 - (b) Free from Harassment; and
 - (c) Collegial and conducive to early resolution of conflict between members of the University Community.
- **Respectful Work and Learning Environment Policy:** <http://bit.ly/2b63HQO>
- **Student Discipline Bylaw:**<http://bit.ly/2b3RL3p>

Inappropriate and Disruptive Student Behavior:

- Inappropriate and disruptive behavior that interferes with the learning of other students, or the instructor's ability to teach will not be tolerated. Such behaviors would include but would not be limited to the following:
 - (a) threats to the physical safety of the individuals or others;
 - (b) verbal threats to or abuse of students or University personnel;
 - (c) recurring and willful damage of University property;
 - (d) inappropriate or disruptive behavior as a result of misuse of drugs or alcohol on University property; and
 - (e) actions which habitually interfere with the learning environment or requires the inordinate time and attention of faculty and staff.
- Other disruptive activities include (but are not limited to) the use of cell phones in class, texting in class, wearing headphones, talking during lecture, using technology such as computers, tablets, and mobile devices to view material that is not related to the class.
- **Inappropriate or Disruptive Student Behavior Policy:** <http://bit.ly/2b63fBP>
- **Student Discipline Bylaw:**<http://bit.ly/2b3RL3p>

Academic Integrity:

- Students are responsible for ensuring they understand the University of Manitoba's policy on Academic Integrity (plagiarism, cheating, and examination impersonation). These policies are available in the University Catalog 2018-2019, General Academic Regulations <http://bit.ly/2Dz50DX>
- The penalties for plagiarism and cheating are severe and range from receiving a grade of zero on an assignment, to academic suspension. **For more information on Cheating, Plagiarism, and Fraud:** <http://bit.ly/2b63fBP>&<http://bit.ly/2b63ywr>
- ***All work is to be completed independently unless otherwise specified.***
- No notes, books, or electronic devices are permitted in the midterm tests or final exam whether accessed or otherwise.

Student Accessibility Services:

- Students with disabilities are encouraged to contact Student Accessibility Services to facilitate the implementation of accommodations.
 Student Accessibility Services
 520 University Centre (Main Office), 155 University Centre (SAS Exam Centre)
 University of Manitoba, Winnipeg, MB R3T 2N2 Canada
 Phone: 204-474-7423 Fax: 204-474-7567 TTY: 204-474-9790
 Website: <http://umanitoba.ca/student/saa/accessibility/>
 Email: student_accessibility@umanitoba.ca

- Students are encouraged to make an appointment with the instructor to discuss the accommodations recommended by Student Accessibility Services.
- **The University of Manitoba Accessibly Policy:** <http://bit.ly/2bcrP6i>

Tentative Lecture Outline
(Subject to Change)

Date	Topic	
Sep.08	Introduction, History and Introducing Ecosystem Management.	
Sep.15	Writing an Ecosystem management Plan; example of Parkland Mews (Mr.Robert Wheeldon). Choosing your ecosystem- groups	
Sep.22	Ecosystem Structure and Function (Mr.Robert Wheeldon). Library Presentation Grace O' Hanlon	
Sep.29	Field Visit - Parkland Mews	
Oct.06	Presentation of Field data to class	
Oct.13	Understanding Stakeholders in Ecosystem management and Ecosystem Management Boundaries.	Submission of Assignment -1 (field trip based assignment)
Oct.20	Legal aspects of ecosystem management	
Oct.27	Economic issues and Budget	
Nov.03	Adaptive Management and long-term goals	
Nov.10	Other topic of interest in Ecosystem Management	Submission of Assignment -2
Nov.13-17	Mid semester break- no classes	
Nov.24	Presentation of plans	
Dec.01	Presentation of plans	
Dec.08	Presentation of plans	
Dec.11		Submission of Plan

Schedule "A"

Schedule "A" is the new requirement passed by the University of Manitoba Senate in 2016 that requires that a mandated list of supports for services plus contact information is provided to students. *While this information is important and useful, should you require advice and support, the instructor is happy to meet with you and discuss issues and concerns*

Student Resources

Writing and Study Skills Support

The Academic Learning Centre (ALC) offers services that maybe helpful to you as you fulfill the req for this course. Through the ALC, you may meet with a study skills specialist to discuss concerns such as time management, reading and note-taking strategies, and test-taking strategies. You may also meet one-on-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 awrittenassignment or already have a draft. Writing tutors can also give you feedback if you submit a draft of your paper online. (Please note that the online tutors require 48 hours, from Mondays to Fridays, to return your paper with comments.)

All Academic Learning Centre services are free for UofM students. For more information, please visit the Academic Learning Centre website at: <http://umanitoba.ca/student/academiclearning/>

You can also talk to a member of the Academic Learning staff by calling 480-1481 orbydropping in at 201 TierBuilding.

University of Manitoba Libraries(UML)

As the primary contact for all research needs, your liaison librarian can play a vital rolewhencompleting 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 arealso available to meet with you in-person. A complete list of liaison librarians can be foundbysubject: <http://bit.ly/WcEbA1> or name: <http://bit.ly/1tJ0bB4>. In addition, generallibraryassistance 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 alsoreceivehelp online, via the Ask-a-Librarian chat found on theLibraries' homepage: www.umanitoba.ca/libraries.

The English LanguageCentrehas workshop and programs in advanced academic and health-sciences English (located at 520, University Centre).
Homepage: <http://umanitoba.ca/student/staffdir/elc.html>

Student AccessibilityServices

Student Accessibility Services (SAS) provides support and advocacy for students with disabilities of all kinds: hearing, learning, injury-related, mental health, medical, physical or visual. Students with temporary disabilities such as sprains and breaks are also eligible to use our services. SAS acts as a liaison between students and the faculty and staff of the University of Manitobaas well as support agencies within the province of Manitoba. Please phone: 474-6213 (voice)or474-9690 (TTY) forservice. For more information, please visit the Student Accessibility website at: <http://umanitoba.ca/student/saa/accessibility/>

Mental Health

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

Student Counselling Centre (SCC)

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 counselling. Student Counselling Centre:

<http://umanitoba.ca/student/counselling/index.html>

474 University Centre or S207 Medical Services (204) 474-8592

On-Campus and Community Crisis Services

A list of on-campus and community crisis services with phone numbers.

<http://umanitoba.ca/student/counselling/crisis-community-resources.html>

Student Support Case Management (SSCM)

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>

Copyright

All students are required to respect copyright as per Canada's Copyright Act. Staff and students play a key role in the University's copyright compliance as we balance user rights for educational purposes with the rights of content creators from around the world. The Copyright Office provides copyright resources and support for all members of the University of Manitoba community.

Visit <http://umanitoba.ca/copyright> for more information.

University and Unit Policies, Procedures, and Supplemental Information (Available On-Line)

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> 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.
- If you have questions about your grades, talk to your instructor. There is a process for term work and final grade appeals. Note that you have the right to access your final examination scripts. See the Registrar's Office website for more information including appeal deadline dates and the appeal form <http://umanitoba.ca/registrar/>
- You 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.

Sexual Assault

- 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/>

Academic Programs and Regulations

- 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 faculty/college or school 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