

Course Syllabus – winter 2020
Environmental Assessment- ENVR 3250
Department of Environment and Geography
Clayton H. Riddell Faculty of Environment, Earth, and Resources

Instructor: Dr. Johny Stephen
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204.272.1543
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Teaching Assistant: Rajib Biswal - biswalr@myumanitoba.ca

Office Hours: Tuesday: 10:00 – 12:30 PM
Thursday: 12:30 – 3:00 PM
(or by appointment)

Room: 221, Wallace

Lecture Slot: Tuesday/Thursday 8:30-9:45 am
Tutorials : Tuesday 2:30-5:15 pm (attendance is mandatory)

Course Dates: Jan 06, 2020 - Apr 07, 2020

**Final Voluntary
Withdrawal Date:** March. 18, 2020

Required Course Materials:

Textbook

Noble, B.F. 2014. Introduction to Environmental Impact Assessment: A Guide to Principles and Practice, 3rd Edition. Don Mills: Oxford University Press. 360 pp.

Lab Manual:

ENVR 3250 Lab Manual/Project Guide (available on U of M Learn)

Course Description

Environmental Assessment (EA) is an important policy and regulatory instrument for environmental decision making. EA is a proactive step in Environmental planning process. EA has a long history has now become necessary for license and permit approvals for development projects in most of the countries across the world. It is the process used to predict, assess, evaluate, mitigate, and follow-up on the consequences of human actions on the environment. It is intended to enable environmental protection, and can provide a platform for meaningful public participation and engagement in decision making processes.

Detailed Course Description

The purpose of this course (ENVR 3250) is to provide an overview of the theory, practice, and key issues in environmental assessment. The specific objectives for the course are to:

- Provide general awareness of environmental assessment principles, legislations, processes, and practices across the world
- Focus on the recently promulgated Federal Impact Assessment Act, 2019.
- Examine how environmental assessments are carried out focusing on stake holder engagement and decision making
- Demonstrate application of environmental assessment through the life-cycle of a project including planning, design, construction, operation, and decommissioning.

ENVR 3250 is a classroom lecture and tutorial based course that examines Environmental Impact Assessment principles, legal requirements, practical exercises, example assessments, and case study review.

Method of Evaluation

Students are evaluated based on their participation in tutorials, their written work assignments, Class Test, as well as a term paper. Further, students are evaluated based on their oral presentation skills. The following table provides a detailed breakdown of the assessment tool and grade allocation breakdown:

Due Date	Assessment Tool	Value of Final Grade
Weekly	Tutorial Assignments	10%
Feb 13th	Class Test- 1	20%
31st March and 7th April	Oral Presentations	15%
April, 7th	Term Paper	25%
April TBA	Final Exam	30%

The Grade distribution for this course is as follows:

- | | |
|---------------------------------------|------------------------------------|
| A+: 90% or above (Exceptional) | C+: 65 - 69% (Satisfactory) |
| A: 80 - 89% (Excellent) | C: 60 - 64% (Adequate) |
| B+: 75 - 79% (Very Good) | D: 50 - 59% (Marginal) |
| B: 70 - 74% (Good) | F: ≤ 49% (Failure) |

Note: The course instructor reserves the right to reschedule a mid- test, assign an alternate assignment or redistribute the percentage distribution between remaining assignments and or exam for those students who have a valid reason for not writing. 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.

Team Term Project & Lab Assignment

Group-based Environmental assessment projects will be assigned where students will be placed in teams of 4-5 students and will be expected to define a project, the project components, activities, etc. and other project details based upon the information provided. Environmental assessment teams are expected to scope the project and assessment, describe the project and environment, identify and assess environmental effects, identify measures to mitigate adverse environmental effects, evaluate significance of residual environmental effects, and other required tasks. Environmental assessment teams are responsible for identifying, assigning, and scheduling the environmental assessment tasks and presenting their results before the class. The presentation and report will be a collaborative effort. Students will also

work together to complete and hand in weekly worksheets. More details on the requirements for the Term Project Environmental Assessments and Lab Worksheet assignments are provided in the Lab Manual for the course found on U of M Learn.

The Final Environmental Assessments should be of sufficient length (~ 20 pages). The role/responsibility of each student must be briefly described in the Acknowledgements to the Assessment. The Environmental Assessments should be professionally presented in Times Roman 12 pt. Font and double spaced. A final oral presentation made by the full team for each Environmental Assessment is presented to the class and to discipline specialists (if available) on March 31 and April 7th. The scheduling of which team presents on which day is based on a 'first come, first serve' basis. Students are requested to email me their preference as soon as possible to secure their day and time to present. The final oral presentation of each team's Environmental Assessment should be 15 mins in length and are worth 10% of the total course grade. The final Environmental Assessment for each team is due April 9, 2020 by 4 pm into the U of M Learn Dropbox. The Final Environmental Assessments are worth 25% of the total course grade.

Late Assignment and Presentation Absence Policy

Should a student not attend the in-class oral presentations or fail to submit their assignments/term reports 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: 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 3250 COURSE APPROACH AND POLICIES

Course Delivery:

- Course material will be delivered primarily through lectures, videos, in class discussion and corresponding textbook readings.
- As a courtesy, I will be posting partial course notes in PDF format on *UM Learn after the lectures*. It is your responsibility to access *UM Learn* and download these materials:
<https://universityofmanitoba.desire2learn.com/d2l/home>
 - **Please note that I am under no obligation to post my PowerPoint notes; they are intended to assist you and not replace your personal notes.**
 - **These materials are subject to copyright (please see below note below regarding the use of copyrighted material).**
- For assistance with *UM Learn*:
 - Client Services Help and Solutions Centre (204.474.8600)
 - Email: support@cc.umanitoba.ca
 - 123 Fletcher Argue (Mon to Fri: 8:00 AM. - 8:00 PM)
- The pace of the lecture is based on the partial course notes.
- These online materials are not a substitute for coming to class, and you cannot use these notes exclusively as they will need to be supplemented by notes from lecture and the textbook. ***If you miss a class, you are responsible for obtaining the missing notes from a classmate. The instructor will not provide notes for any reason.***
- 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 3250** , 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 Behaviour:

- 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 behaviour 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 Behaviour Policy:**<http://bit.ly/2iRbHKU>
- **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/2b63ywwR>
- **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>

Important Dates:

January 6th: Lectures Begin
February 17th- Louis Riel Day
February 18 - 21: Winter Break
March. 18: Last Day for Voluntary Withdrawal
April 7th: Last Day of Lectures

Tentative Lecture Outline
(Subject to Change)

Topic	Corresponding Nobel (2014) Textbook Chapter	Dates
Introduction and Environmental Impact Assessment (EIA)- History, Principles	Chapter 1	Jan 7 th and 9 th
EIA in Canada – History and the New IAA act , 2019	Chapter 2 + Additional readings	Jan 14 th and 16 th
Introduction to the tools supporting EIA	Chapter 3	Jan 21 st and 23 rd
Screening and Scoping	Chapter 4 and 5	Jan 28 th and 30 th
Predicting Environmental Impact	Chapter 6	Feb 4 th and Feb 6 th
Managing Project Impacts	Chapter 7	Feb 11 th
Class Test		Feb 13th
Determining Impact significance	Chapter 8	Feb 25 th and 27 th
Follow up and Monitoring	Chapter 9	Mar 3 rd and Mar 5 th
Public participation in EIA	Chapter 10	Mar 10 and 12 th
Cumulative Environmental Effects Assessment	Chapter 11	Mar 17 th and 19 th
Strategic Environmental Assessment	Chapter 12	March 24 th and 26 th
Ethics and Effectiveness of EIA	Chapter 13 and 14	March 31 st and Apr 2 nd
Wrap Up and Review		Apr 7 th

Tutorials

Topic	LAB Manual	Dates
Introduction and Group Formation		Jan 7 th
Ref Lab Manual		Jan 14 th
Ref Lab Manual		Jan 21 st
Ref Lab Manual		Jan 28 th
Ref Lab Manual		Feb 4 th
Ref Lab Manual		Feb 11 th
Ref Lab Manual		Feb 25 th
Ref Lab Manual		Mar 3 rd
Ref Lab Manual		Mar 10 th
Ref Lab Manual		Mar 17 th
Ref Lab Manual		Mar 24 th
Presentations		Mar 31 st
Presentation Wrap up and submission of Report		Apr 7 th

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 may be helpful to you as you fulfill the requirements 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 a written assignment 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 Monday to Friday, to return your paper with comments.)

All 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 talk to a member of the Academic Learning staff by calling 480-1481 or by dropping in at 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.

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

Student Accessibility Services

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 Manitoba as well as support agencies within the province of Manitoba. Please phone: 474-6213 (voice) or 474-9690 (TTY) for service. 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