

ENVR 4850 Course Outline Wildlife Management

1. General Information

Instructor

- David Walker
David.Walker@umanitoba.ca
253 Wallace
204-474-6581

Wildlife Project Coordinators

- Don Sexton
Ducks Unlimited (retired)
sextonda@mymts.net
- Rick Baydack
Rick.Baydack@umr.umanitoba.ca

Lecture Location: 218 Wallace

Lecture Time: Thursday 2:30-5:15 PM

Course Goals: This course provides students with an understanding of relevant theory and practice in wildlife management. Topical management issues will be studied, selected through consultation with government and NGOs in Manitoba. Lab trips will provide experiential learning and lab activities will expose students to tools and approaches used in wildlife management. The course includes independent work and also team work emphasizing collaborative skills that are increasingly important in professional environmental careers.

Course Objectives: Upon completion of this course, students will be able to:

1. Understand the nature of contemporary wildlife management theory, issues and strategies.
2. Utilize wildlife management tools such as GIS.
3. Collaborate effectively with a research team and with professionals in the wildlife field.
4. Produce well-researched and practical wildlife management plans.

2. Course Content

Description: The course will consist of lectures, field trips (if conditions allow), individual laboratory reports, student led participatory discussions and wildlife management plans developed by teams of 3-4 students on current wildlife issues. Wildlife Project Coordinators from local NGOs, Provincial contacts, and academia will act as liaisons and assist students and in accessing other experts. The course will emphasize real-world, hands-on experience in dealing with the various stakeholders involved in wildlife management. This will include meetings and field trips outside of regular University class times and at various locations across the Province.

Field trips will be scheduled as time and conditions permit. Some will be voluntary, with mandatory field work expected for the collection of data for the first lab exercise. Details will be discussed in class.

Individual lab reports will be based on wildlife data collected in the field, and analyzed from existing datasets. Depending on data availability laboratory exercises could include biophysical or socioeconomic objectives (e.g. timing of migration, modeling habitat use and occupancy, or conservation reporting). See **Section 5**.

Student-led discussions will be done on topics assigned through UMLearn. Students will be expected to research, present and discuss their assigned topic. Topics may range from best practices and methods in wildlife management, wildlife biology, or current issues. These discussions will be peer-graded. See **Section 6**.

Wildlife management plans will be developed by teams of students. Each team will be expected to determine the most effective strategies that might be applied to their management issue and for a specific study area. The Wildlife Project Coordinators will assist in making contacts and will evaluate the teams. See **Section 7**.

Course Delivery: Classes and Labs will be on-campus and in-person. However most field trips will be off-campus, and data collection for Lab Assignment 2 will occur outside in the Fort Richmond neighborhood to the south of campus.

3. Class Schedule/Important Dates

The course will meet regularly each Thursday, however, some materials will be distributed or due on days other than Thursday. The following schedule provides details on course activities. Note the following: assignment hand-outs are indicated in **bold** if on a Thursday, and by an *italic* font if not, and; hand-in due dates are **bold underlined** if handed out on Thursday, and ***italic bold*** if not. The fall break week has a **black** background and grey background indicates Team Presentations or Plan Discussion. For all other Thursdays attendance is mandatory. Field trips outside of regular class times are not on this schedule.

Date	Activity
2025-09-04	Introduction & Team Management Plan Discussion
2025-09-11	Lecture NA Model of WM. Plan FAQ. Student Topics. Software. Lab 1 Handout
2025-09-18	Team Plan Proposal Presentation and Paper. Lab 4 Goose census packages available
2025-09-25	Proposal Debrief. Lab 3 Camera-trap images on UMLearn
2025-10-02	Lecture Invasive Species Management. Lab 1 Due. Lab 2 Handout
2025-10-09	Team Management Plan Progress Presentation 1.
2025-10-16	Plan Debrief. Student Led Discussions* Lab 3 Camera trap image spreadsheet due.
2025-10-23	Student led Discussions* Lab 2 Due. Lab 3 Handout.
2025-10-30	Lecture Methods of Management & Tools. Lab 4 Goose migration spreadsheet due.
2025-11-06	Team Management Plan Progress Presentation 2.
2025-11-13	Fall Term Break NO CLASS
2025-11-20	Plan Debrief. In-class group meeting. Lab 3 Due. Lab 4 Handout.
2025-11-27	Team Final Management Plan Presentation
2025-12-04	Team Final Management Plan Paper Due
2025-12-08	Lab 4 Due

*Student led Discussions involve individual presentations followed by discussion.

4. Evaluation*

Deliverable	Percentage*
Team Proposed Plan Oral Presentation (10 min)	5
Team Proposed Plan Written Summary (~1000 Words)	5
Team Management Plan Progress Presentation 1 (10 min)	5
Team Management Plan Progress Presentation 2 (15 min)	10
Team Final Management Plan Presentation (20-25 min)	15
Final Team Management Plan Report and Log Book Submission (~5000 Words)	15
Student Led Discussions (10 min)	5
Individual Lab Reports (4 x 10% each; ~1300-1600 Words)	40

*Note grades include your participation and attendance at **all** presentations given by **all** groups and in Student Led Discussions. All members must contribute to group written work. Due dates are provided in **Section 3**.

5. Laboratory Exercises and Reports

Objective of the Laboratory

This course includes a lab component focused on applied wildlife data analysis, with some material covered during regular lecture times and no separate lab slot. Students will work on their own computers using free and open-source tools, with computers available in 321 Wallace if needed. The lab aims to familiarize students with how species data are collated, analyzed, and applied. While many types of data exist (e.g., citizen science observations, camera traps, telemetry), and numerous analytical methods are used in wildlife management, we will highlight common approaches most useful to managers.

Software used in the Laboratory

Wildlife management is done on landscapes within specific delineated areas. In Manitoba, Wildlife Management Areas (WMAs) and Game Hunting Areas (GHAs) are commonly used, and similar units exist in other Provinces. Reporting is based on statistical analysis on these units, and familiarity with them is essential. In this course, the Team Wildlife Management Plans must be developed in reference to these units. In wildlife management, GIS is used to map and measure the amount of available habitat, to determine the effects of management prescriptions and to inventory and track wildlife populations. We will cover the basic skills in GIS that are needed to map WMAs, but no previous experience using this software is required. The program we will be using is called **QGIS** and it is available for free at:

<https://qgis.org/>

We will also be introducing **CRAN R** in this course. As in the case of GIS, no previous experience is necessary. This program is used to perform data analysis and is increasingly used by wildlife managers. It is available for free at:

<https://cran.r-project.org>

Installation and demonstration of this software will be provided later in the course.

Individual Lab Report Requirements

The Individual Lab Reports consist of written reports that must be submitted on UMLearn by 5:00 PM on the date specified in **Section 3**. These reports may include maps, tables, and figures submitted separately. Four lab assignments will be distributed throughout the term.

Labs 3 and 4 require you to analyze or collect data, with results entered into spreadsheets that must be submitted separately before the final lab assignment is handed out. In Lab 3, you will inspect a package of camera trap images and identify species present and activities observed. In Lab 4, you will conduct a census of fall goose migration from late September to late October. Class data will be collated, and spreadsheets containing the data from the class will be distributed with the final lab assignment handouts.

All students in the class rely on the completeness and quality of the data submitted by each class member. Failure to complete your submission or provide data as requested may result significant loss of marks.

The final submission requirements for each lab are outlined at the end of its handout.

Note the following:

- Only **primary peer-reviewed** and/or **official government publications can be used** in reports. Websites **CANNOT** be used as sources unless the site is a recognized on-line academic publication (typically these articles have a doi). Publications intended for a general audience (e.g. government or non-governmental organizational brochures, pamphlets and posters) **CANNOT** be used as sources for scientific information. Textbooks **CANNOT** be used. All material/sources must be appropriately cited (see *Using Copyrighted Material* in **Section 9**).
- All tables and figures **MUST** be referenced in the main text. All tables should be formatted using an APA style.
- Lab reports **MUST** be **complete** and **MUST open** to be considered finished. Only PDF format will be accepted. See UMLearn for additional details.

6. Student Led Discussions (Peer Graded)

Current issues, techniques, and topics in Wildlife Management will be individually researched and explored by each student. Your topic will be assigned on **September 11, 2025** and at a later date (**October 16** or **October 23, 2025**) you will be expected to present and discuss your topic. Prior to class on the day you are scheduled to present, you must upload (on UMLearn), a presentation summarizing your topic. Each student will present for 10 minutes with 5 minutes for questions. Students in the audience will be expected to engage with the student presenting the topic. This assignment will be peer-assessed. This approach will be discussed in class.

7. Team Project – Wildlife Management Plan

Management Plan Background

For this course you will be preparing a **Wildlife Management Plan** that conforms to a *published* wildlife management plan. In creating the **Plan**, students will be expected to determine the most effective strategies that might be applied to the wildlife management issue under considerations. Research teams are expected to locate background literature, resources, and other documentation for their **Plan** in conjunction with the Wildlife Project Coordinator on September 4, 2025, with a **Proposal Presentation and Paper** that gives the finalized **Plan** topic on September 18, 2025.

The **Plan** will focus on a real-world wildlife management issue identified with government and other agencies in Manitoba. It must include a case study or site(s) referenced by **Game Hunting Area (GHA)** or **Wildlife Management Area (WMA)**, or another approved management/land unit. The **Plan** should use an actual landscape with real, researched biophysical properties. Groups are expected to liaise with government agencies such as the Provincial Wildlife and Fisheries Branches; Federal Environment and Climate Change Canada and Department of Fisheries and Oceans, and NGOs such as Ducks Unlimited Canada, Nature Conservancy of Canada, Delta Waterfowl, and Manitoba Trappers Association, to name a few. Initial contacts will be provided, but groups should also establish their own. Questions for professionals must be thoroughly researched before contact. Evaluation will be based on group presentations, a written proposal, a final management plan, and a log-book submitted on **UM Learn** (see **Section 4** for the mark breakdown).

Wildlife Management Plan Oral Presentations

There are four presentations in the course including: the **Management Plan Proposal**, two **Management Plan Progress Presentations**, and a **Final Management Plan Presentation**.

Presentations will be done in class with each group sharing one presentation from one host computer. Presentations must be uploaded on UMLearn by Noon on the day you are scheduled to present. Only files in PowerPoint 365, or Keynote (**macOS**) are acceptable. A PDF formatted copy must also be uploaded as a backup in case your presentation does not work). A computer will be provided by the instructor.

Many typefaces are proprietary and may not be available on all computers. To ensure presentations remain professional and legible, only the following fonts may be used:

- Serif: Times New Roman or Georgia
- Sans serif: Arial, Verdana, Trebuchet MS, Tahoma, or Impact
- Monospace: Courier New.

Presentations must be legible to the audience. It is required that 44 pt be the smallest size used for slide titles, 36 pt for bulleted text and 24 pt for captions. You must add your own captions to content from other sources (e.g., figures) if the original text is smaller than and equivalent of 24 pt. Marks will be deducted for figures that contain captions or labels that are not legible. All images must be converted to and inserted as JPEG. Do not embed Excel tables, instead screen capture these and insert them as JPEG.

Wildlife Management Plan Reports

There are two reports in the course including: the **Management Plan Proposal Report**, **Final Management Plan Report** a Log books is required as an appendix of the second report.

Reports will be completed in a word processor and handed in as a group authored PDF. Reports must be uploaded on UMLearn by 5 PM on the day they are due. Plan reports must be typed using 12-point Times New Roman font with a 2.5 cm margin, have proper grammar, spelling, and paragraph structure (normally 5 or more sentences per paragraph with 2.5 paragraphs/page). Reports must cite only primary peer-reviewed sources, and each paragraph should integrate multiple references rather than relying on a single source. No **fewer than 10 primary sources** should be used for the proposal and **30 for the final plan**. You must include a site map created in QGIS in your Plan.

The **Proposal Report** will be a **~1000 word (two pages single spaced) written summary**. This written report will recapitulate the oral presentation and provide additional details including appropriate **background**, and a clear written **statement of problem and objective** (this must match the slides used in the presentation). With the summary you **must also provide a published management plan** that your group will use as a template. In your written summary you must defend how this plan fits your needs (justify the applicability of your template).

The **Final Plan Report** will comprehensively cover the material presented in the **Plan**, and will be **~ 5000 words (or 10 pages single spaced not including tables, figures and appendices)**. This report is to be structured to conform to a *published* wildlife management plan and follow the organization of the template plan included with the **Plan Proposal Report**. The **Plan** must also:

- a. provide a comprehensive literature review highlighting the background and historical development of the assigned issue. Reports must use primary peer-reviewed or official government sources. Websites, textbooks, and popular publications (e.g., brochures, pamphlets, posters) are not acceptable;
- b. identify appropriate objectives for your management issue;
- c. identify the location where management is to occur and provide a *study area location map composed in QGIS by the group (i.e. not an existing published map)*;
- d. summarize the main management issues, methods of management, and measurable targets arising from those methods;
- e. determine the approximate cost of the proposed methods and alternatives
- f. provide recommendations to provincial and other agencies for enhancing management initiatives as related to the issue;
- g. demonstrate the use of professional and expert knowledge provided by contacts, and;
- h. provide an appendix with Logbook and other items as appropriate.

Wildlife Management Plan Activity Log Book

Throughout the term, you must maintain a log of all group activities, including professional contacts, meeting times/length, and the questions you asked. Record entries using a word processor in an APA formatted table organized by date and activity, and ensure it is free of grammar and spelling errors. This log will be included as an appendix to the plan and will be assessed for completeness, the quality of your questions, and the professionalism of your interactions with contacts and the individual contributions of group members. Adding names to activities not performed by that individual will result in a lower group grade.

Summary of Plan Content Expectations

Activity	Length	Expectation
Plan Proposal Presentation	10 min	Proposed Plan and objective presented orally. The presentation must include a proposed location of activities
Plan Proposal Report	1000 Words	Two page written summary of proposed plan. You must also provide and evaluate a published management plan that your group will use as a template. Citation of no fewer than 10 primary sources.
Progress Presentation 1	10 min	Finalized Plan objective and sub-objectives. This presentation should give all the core management elements of the proposed Plan, Table of Contents, and preliminary contacts made with professionals.
Progress Presentation 2	15 min	Fully developed table of contents and key management elements clearly showing a rough budget, goals and measurable outcomes. Updates on contacts made and group activities.
Final Plan Presentation	20-25 min	Presentation of the final Management Plan including all key management elements for your Plan. Plans must have actions with measurable outcomes and a rough budget. They must be for a particular area (e.g. WMA) with a site map created by your group. All contacts made and group activities undertaken in completing the project (brief logbook summary).
Final Plan Report and Logbook	5000 Words	Document describing in detail your Final Plan containing all the elements in your presentation with any additional refinements requested by the Project Coordinators. The Logbook will be an appendix to the plan and contain activities organized by precise dates. See section above for more details on these items. Citation of no fewer than 30 primary sources.

8. Grade Distribution Scale

A+	>= 90%
A	80 – 89%
B+	75 - 79%
B	70 - 74%
C+	65 – 69%
C	60 – 64 %
D	50 - 59%
F	<= 49%

9. Academic Regulations and Expectations

Last VW date: Nov. 18, 2025 for withdrawal without academic penalty. Several presentations are scheduled prior to this date to provide feedback.

Attendance: The course will run from September 3, 2025 to December 8, 2025 and will be worth 3 credit hours. Regular attendance over this period is expected of all students enrolled in this course. In particular, students are expected to attend all group presentations and remain on-line until all groups have presented.. Please note the following penalty: a student may be debarred

from class, laboratories, and examinations by action of the dean/director for persistent non-attendance.

Temporary Absence Policy: The University requests that students and staff remain at home if ill. The University has adopted a policy for temporary absences when a student is unable to complete a scheduled test, assignment, or exam. Temporary absences must be declared; see the following website for details:

<https://umanitoba.ca/student-supports/academic-supports/student-advocacy/self-declaration-policy-students#policy-definition-and-self-declaration-form>

Plagiarism: Plagiarism, cheating or impersonation in the completion of assignments, and at examinations, are very serious offences. Students caught plagiarizing on assignments may be debarred from class with further risk of academic penalty and possible expulsion. All graded work must be independent.

Late submission Policy for Assignments, Reports and Presentations: Late submissions will be awarded an automatic “F” without permission of the instructor and supporting documentation (e.g. medical certificate) or reasons provided. Failure to hand-in one or more assignments/reports will result in a grade of “F” for the course.

Recording During Class and Laboratories: Dr. David Walker and the University of Manitoba hold copyright over the course materials, presentations and lectures that form part of this course. No audio or video recording of lectures or presentations is allowed in any format, openly or surreptitiously, in whole or in part without permission of Dr. Walker. Course materials (both paper and digital) are for the participant’s private study and research.

On-line Etiquette: Should some classes or lab sessions be held on-line the following etiquette protocols apply: during lectures and labs it is required that students mute computer microphones and cameras. Conferencing software used in class has a ‘raise hand’ and chat features that allow questions to be communicated. On-line meetings outside of lab and lecture slots can also be arranged to cover more complex topics and questions.

Using Copyrighted Material: Please respect copyright. We will use copyrighted content in this course. We have ensured that the content we use is appropriately acknowledged and is copied in accordance with copyright laws and University guidelines. Copyrighted works, including those created by us, are made available for private study and research 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. Citation of copyrighted or any source materials in written assignments for this course should use the APA reference style or CSE as outlined in:

Council of Science Editors. Style Manual Committee. (2024). *Scientific style and format : The CSE manual for authors, editors, and publishers* (9th ed.). Chicago (IL): Council of Science Editors in cooperation with The University of Chicago Press.

American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7th ed.). Washington, DC.

10. Academic Supports

The University of Manitoba provides many services and supports to encourage good scholarship and overall health and wellness including: instruction to improve writing skills, best use practices for copyrighted materials, and supports for studying for examinations etc., personal health (both mental and physical) including: student advocacy, student counseling and health services, etc. and supports for assaults (both verbal and physical). These are designed to make each student's experience positive, safe and assist in successful completion of courses and programs of study. The University provides and encourages all members and students to maintain a respectful work and learning environment. Policies have been developed regarding threatening behavior, or assaults whether verbal or physical to support victims and discipline offenders. For more information on these see **Schedule "A"**.

Schedule “A”

SECTION (A) ACADEMIC SUPPORTS

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 at:

<https://libguides.lib.umanitoba.ca/>

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. When working remotely, students can also receive help online, via the Ask-a-Librarian chat. For a listing of all libraries or to access the chat, please consult the library main page:

www.umanitoba.ca/libraries

SECTION (B) ILLNESS & MENTAL HEALTH

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

Temporary Absence and Illness

The University has adopted a policy for temporary absences, when a student is unable to complete a scheduled test, assignment or exam, due to a brief absence. Temporary absences must be declared, see the following website for details:

<https://umanitoba.ca/student-supports/academic-supports/student-advocacy/self-declaration-policy-students#policy-definition-and-self-declaration-form>

For chronic/long-term conditions that are physical or mental, and that impact academic performance, see the sections below.

Student Accessibility Services (SAS)

While SAS describes their office as “providing supports for students with disabilities,” it is important to note that they can help accommodate a wide range of chronic/long-term conditions that are physical, cognitive or emotional. If you need help and support as a student, reach out!

You can register or access accessibility resources using the following link:

<https://umanitoba.ca/student-supports/accessibility>

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 counselling. *Student Counselling Centre:*

<http://umanitoba.ca/student/counselling/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. Contact the 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. See:

<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:

<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>

SECTION (C) COPYRIGHT INFORMATION

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. For more information:

<http://umanitoba.ca/copyright>

SECTION (D) RIGHTS & RESPONSIBILITIES

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 is an important source of information. View the sections (1) *University Policies and Procedures* and (2) *General Academic Regulations*:

<http://umanitoba.ca/student/records/academiccalendar.html>

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.

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

SECTION (E) POLICIES & INFORMATION

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/>

Intellectual Property

For information about rights and responsibilities regarding **Intellectual Property** view the policy:

https://umanitoba.ca/governance/sites/governance/files/2021-06/Intellectual%20Property%20Policy%20-%202013_10_01%20RF.pdf

Department Policies

For information on regulations that are specific to Environment and Geography, read the section in the Academic Calendar for the Department and on:

<http://umanitoba.ca/faculties/environment/departments/geography/index.html>

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