

**University of Manitoba
Department of Environment and Geography**

**ENVR 4000 T 45 - Wildlife Management
Fall 2018 (3 ch)**

1. General Information

Instructors

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

Wildlife Project Coordinators

- Don Sexton
Ducks Unlimited (retired)
sextonda@mymts.net
- Erin McCance
EcoLogic Environmental Inc.
emccance@shaw.ca
- Rick Baydack
Rick.Baydack@umanitoba.ca
255 Wallace
204-474-6776

Lecture Room: 217 Wallace Building

Lecture Time*: Mondays 2:30 PM*

* Note this course does not meet regularly and final presentations are scheduled at the end of term. The following are important meeting dates, see the outline for details: **Sept. 10 & 17; Oct. 1 & 29, Nov. 19, and; Dec. 3 & 7, 2018**. The Individual Assignment is due **Oct. 22** at **4:30 PM** but there is no class that day.

Course Goals: Wildlife Management is a 3 credit hour project course in the Department of Environment and Geography. The intent is to provide students with an understanding of real-world issues in the wildlife management field, as identified in conjunction with representatives of government and other agencies in Manitoba. In particular, liaison with Manitoba Sustainable Development, Ducks Unlimited Canada, and Environment Canada is anticipated. The course includes independent work, but a core outcome of the class is to build the skills and abilities of students to work as members of a team, a requirement that is becoming increasingly important in professional environmental careers.

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

- I. Understand the nature of contemporary wildlife management issues and strategies in the Province of Manitoba and beyond
- II. For a specific issue/strategy, prepare a written/electronic and oral submission as a member of a research team.

2. Course Content

The course will consist of individual assignments and self-directed studies by teams of 3-4 students on wildlife management issues and strategies as identified in class discussions. In particular, each of the Wildlife Project Coordinators listed above will serve as key resource

persons and will provide liaison for students to access information and knowledgeable agency representatives. The course will emphasize real-world, hands-on experience in dealing with the various stakeholders involved in wildlife management. This will involve meetings outside of regular University class times and at various locations across the Province.

For the team projects, students will be expected to determine the most effective strategies that might be applied to the issue under consideration after careful investigation of various alternatives, and also to explain why their approach is considered to be optimal. Research teams are expected to locate background literature, web-based resources, and other documentation for their specific project in conjunction with the Wildlife Project Coordinators and other representatives.

Students will be evaluated through submission of an Individual Assignment, a Team Project Report(s) and/or electronic materials, in class Oral Presentations and a Final Oral Presentation.

Team research projects will be discussed at a first meeting of the class scheduled for Monday September 10, 2018 from 2:30-4:00 PM in 217 Wallace, with a follow-up meeting to finalize projects at 2:30 PM on Monday September 17. If students are unable to attend these meetings, please contact the course instructor as soon as possible.

Recording Class Lectures: 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.

3. Evaluation*

Team Progress Summary 1	
Due: October 1, 2:30 PM – 217 Wallace	5%
Individual Assignment – Wildlife as a Profession	
Due: October 22, 4:30 PM	30%
Team Progress Summary 2	
Due: October 29, 2:30 PM - 217 Wallace	10%
Oral Presentations - Team Project	
Due: December 3, 2:30 PM - 217 Wallace	20%
Final Team Project Report Submission	
Due: December 7, 4:30 PM	35%

* Note that electronic submission of all assignments, and team submissions, and oral presentations should be done using the UofM Learn site (www.umanitoba.ca/d2l) for this course.

4. Assignment

Individual Assignment – History of Wildlife Management

It can be argued that the history of wildlife management predates animal domestication as successful hunting by early humans required a basic understanding of animal behaviour, populations and landscapes. However, as a modern science, Wildlife Management largely

emerged in the late 19th and early 20th century led by pioneers such as Theodore Roosevelt and Aldo Leopold and in response to the near-extinction of numerous species in North America. In this assignment you will provide a brief synopsis of the history of Wildlife Management both as a **science** and **profession**. There are numerous perspectives and approaches that you can take in completing the assignment (e.g. history of the personalities involved, origin of the profession and organizations such as the Wildlife Society, or the focus could be on history and role of wildlife as a natural resource, in conservation and ecology etc.). Regardless of approach, you must identify the major factors responsible for the origin of this field, milestones/events in its history and explain how or why these events or individuals shaped the field as it is today. It is also up to you to develop these into a logical progression and narrative. As part of this assignment you will need to develop a **Timeline** summarizing your historical review. The timeline should be added as a Figure at the end of the document.

See the *Assignment Requirements* section below for details on report formatting and other details. The Individual Assignment reports are to be submitted to the UofM Learn site by **4:30 PM October 22, 2018**.

Assignment Requirements

- i. Reports must be typed, using a 12-point single spaced font.
- ii. Reports should be well-organized and well-written. Proper grammar and spelling will be considered in grading.
- iii. Reports should be no less than 2500-words and no more than 3000-words (approx. 5-6 pages), excluding figures, tables and the references section.
- iv. The report must be structured in the following manner:
 - a. *Title Page*: Title including your Student ID.
 - b. *Abstract/Executive Summary*: a short paragraph summarizing the report with a clear statement of objectives.
 - c. *Main Text*: Review the assigned material and answer the question(s) posed. Interpret these based on the stated objective in a clear and concise fashion. Organize the main text using appropriate headings. You must also build on the literature and use appropriate references. It is EXPECTED that any material(s) provided or assigned for reading and review will be supplemented by additional peer-reviewed literature and citations.
 - d. *References*: 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) or a source for professional information (e.g. accreditation requirements). 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. All material/sources must be appropriately cited (see *Using Copyrighted Material* in Section 7).
 - e. *Timeline*: the major factors, events, advancements, individual achievements must be summarize in a Timeline.

Assignment Submission: The Assignment **MUST** be **complete** and **MUST open** to be considered finished. Libre Office Writer, MS Word or PDFs are acceptable.

Team Project – Wildlife Management Plan

The team project will consist of an assigned real-world issue in the wildlife management field that has been identified in conjunction with government and other agencies in Manitoba. In addressing the assigned issue, the team will develop a well-researched **Wildlife Management Plan**. It is expected that as part of this research the teams will liaison with Manitoba Sustainable Development, Ducks Unlimited Canada, Delta Waterfowl, and Environment Canada (and other government/non-government organizations as appropriate to the topic). Project evaluation will be based on three group in-class oral presentations and a final report submitted on UM Learn (see Section 3 *Evaluation* for marking details).

The written requirements for the Plan differ from those of the assignments – this report is to be written as a **Wildlife Management Plan** and must conform to a *published* wildlife management plan (or conform to published guidelines for developing such a plan). The Plan must:

- a. highlight the background and historical development of the assigned issue,
- b. identify appropriate objectives and methods for investigation of the issue,
- c. summarize results and conclusions of the investigation,
- d. provide recommendations to provincial and other agencies for enhancing wildlife management initiatives as related to the issue, and
- e. list all professionals contacted in developing the Plan and provide a comprehensive literature review (no less that 20 primary sources). Guidelines and requirements for the literature review follow those for assignments (i.e. primary sources are required and use of websites is restricted).

The first two oral presentations will provide updates on group progress, while the final presentation will describe and defend the final management plan. **During your first presentation you must provide a reference for the published management plan that your group will use in creating your final report.** It is recommended that presentations should be uploaded on D2L well before the start of class on the day of presentation. Oral presentations should be submitted in PowerPoint or PDF format. If you use Prezi, have your presentation on a USB stick, or plan to use your own computer for the presentation please confirm with the instructors before class. Further details and requirements for the team project will be announced in class on **September 10, 2018**.

5. Grade Distribution Scale

A+	$\geq 90\%$
A	80 – 89%
B+	75 - 79%
B	70 - 74%
C+	65 – 69%
C	60 – 64 %
D	50 - 59%
F	$\leq 49\%$

6. Academic Regulations and Expectations

Last VW date: Nov. 19, 2018 for withdrawal without academic penalty.

Attendance: The course will run from Sept. 5 to Dec. 7, 2018 and will be worth 3 credit hours. Attendance over this period is expected of all students enrolled in this course. 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.

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.

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. (2014). *Scientific style and format : The CSE manual for authors, editors, and publishers* (8th ed.). Chicago (IL): Council of Science Editors in cooperation with The University of Chicago Press.

American Psychological Association. (2009). *Publication manual of the American Psychological Association* (6th ed.). Washington, DC.

Another resource for organizing assignments and for referencing style, especially if you want to publish in the wildlife field, is:

Block, W., F.R. Thompson, D. Hanseder, A. Cox, and A. Knipps. 2011. Journal of Wildlife Management Guidelines. <<http://www.nacwg.org/JWMguidelines2011.pdf>>. Accessed Aug 23 2017.

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.

7. 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".

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 (if they weren’t recently fired by Central Administration) 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

Section (b) Mental Health

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

Student Counselling 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/>
474 University Centre
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>

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 and 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](#)

<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.

- 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 and Services Information

Respectful Work and Learning Environment

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

Student Discipline

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

Violent or Threatening Behaviour

http://umanitoba.ca/admin/governance/governin_g_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/governin_g_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:

http://umanitoba.ca/admin/governance/medi_a/Intellectual_Property_Policy_-_2013_10_01.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