

BRANDON UNIVERSITY  
DEPARTMENT OF GEOGRAPHY

38:374  
WILDLIFE RESOURCE MANAGEMENT

Instructor: Dr. C. Malcolm  
Office: BB 4-06  
Phone: 727-9770  
Office Hours: Mon. & Wed. 10:30AM to 11:30PM  
Lectures: Mon., Wed. & Fri. @ 10:40 AM to 11:30 PM (Slot 3) in BB 3-47

The prerequisite for this course is 38:192 or permission of the instructor. It is your responsibility to make sure you have *Environmental and Resource Issues*, as numerous concepts were covered in the course that you are expected to know in *Wildlife Resource Management*. It is also useful to have 38:276 *Biogeography*.

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### **Purpose of the Course**

Wildlife management today is quite different than a few decades ago. Hunting used to be the main management issue and managers focussed on establishing quotas and maintaining habitat for consumptive game species. While many of the techniques for census research and monitoring are similar today, managers also have to deal with issues such as non-consumptive wildlife uses (e.g. wildlife viewing, photography), accelerated habitat fragmentation and loss, and an increasingly interested and knowledgeable public.

In this course we will discuss ecological and social issues and concepts applicable to managing wildlife resources in the 21<sup>st</sup> Century. Lectures and readings introduce you to these concepts and issues. Assignments will allow you to explore areas of interest to you in more detail.

Wildlife management draws knowledge from biology, ecology, biogeography, climatology, geology, sociology, law, and economics. We will be discussing concepts that include mathematical modelling, statistics, and psychology.

### **Lecture Topics**

1. Introduction: Definition and History
2. Characteristics of Populations
3. Population Growth and Interaction
4. Habitat
5. Study Design and Census Techniques
6. Management in Practice
7. Human Dimensions

## Readings

There are optional readings on Reserve at the BU Library. The readings are divided into the same topics as the lectures. Use the readings to further your understanding of the topics and help you delve further into areas you might be interested in for your group project.

## Assignments

There are three assignments for you to complete this term (one you do twice). You will download the instructions and submit your assignments through Moodle.

### **1. Wildlife Conservation Status (10%)**

This assignment will make you familiar with some of Canada's species-at-risk, the legislation to protect them, and current recovery strategies.

Follow the link on the Moodle course site to retrieve detailed completion and submission instructions for this assignment.

Please follow the submission instructions exactly, particularly the filename instructions.

*Due: Friday, January 20<sup>th</sup>*

### **2. Case Studies (12.5% x 2 = 25%)**

Twice during the term you will submit a short discussion based on a wildlife management issue reported in the media. Follow the link on the Moodle course site to retrieve detailed completion and submission instructions for this assignment.

*Case Study #1 due: Friday, February 10<sup>th</sup>*

*Case Study #2 due: Friday, March 17<sup>th</sup>*

### **3. Wildlife Management Plan Group Project (3% (Draft budget) + 11% (Poster) + 11% (Presentation) = 25%)**

The purpose of the group research project is to prepare a wildlife management plan for a species of your choice. In groups of 3 you will prepare a poster and PowerPoint presentation of your management plan.

Follow the link on the Moodle course site to retrieve detailed completion and submission instructions for this assignment.

*Species selection - sign up on my door: ASAP*

*Draft budget due: Friday, March 3<sup>rd</sup>*

Poster due: Monday, March 27<sup>th</sup>

Presentation due: Friday, March 31<sup>st</sup>; Class presentations: March 31<sup>st</sup> to April 7<sup>th</sup>

**An important note about group work:** In your future career you may often be required to work with a group towards a mutual goal. The group is treated as a single entity; everyone succeeds or fails as a group. Therefore, everyone in the group will receive the same mark. It is up to the group to make sure each member is contributing. The course instructor will not mediate group issues except in extreme circumstances (e.g. there is absolutely no participation by one member).

**Late Assignments:** The late penalty for assignments in this course is 10% per day (e.g., after two days, there is a 20% drop in your mark). Late assignments will be accepted up to seven days after the due date; after seven days unsubmitted assignments will receive a mark of 0. The penalty for late assignments may be waived at the course instructor's discretion for students who have a valid medical reason or a personal or family emergency. If you need an extension for any reason, please communicate your concerns to me as early as possible. Proper documentation supporting the request for an assignment extension must be provided as soon as possible. Being too busy is not a valid reason for an extension on an assignment.

## Tests

There will be a mid-term test in class on *Friday, February 17<sup>th</sup>*. The mid-term test will cover lecture material from the first half of the term. The mid-term is worth 20%.

There will be a second test during the final exam period on *April 21<sup>st</sup> at 9:00 pm*. The second test will cover lecture material that follows the mid-term test. The second test is also worth 20%.

## Grading and Date Summary

Wildlife Conservation Status	10%	Jan. 20 <sup>th</sup>
Case Study #1	12.5%	Feb. 10 <sup>th</sup>
Test #1	20%	Feb. 17 <sup>th</sup>
Wildlife Management Plan	(25%)	
Species selection		ASAP (sign up on my office door)
Draft budget	3%	Mar. 3 <sup>rd</sup>
Poster	11%	Mar. 27 <sup>th</sup>
Presentation	11 %	Starting Mar. 31 <sup>st</sup>
Case Study #2	12.5%	Mar. 17 <sup>th</sup>
Test #2	<u>20%</u>	Apr. 21 <sup>st</sup> 9:00 AM
	100%	

## **Academic Conduct**

Academic dishonesty is unacceptable in this course and at Brandon University in general. Students caught cheating on quizzes, tests, or the final exam will be met with disciplinary action. Please refer to Section 13.13 in the 2016-17 Brandon University Calendar for more information.

## **Grade Allocation**

The following grade allocation is used at Brandon University. Please refer to Section 3.11.2 in the 2016-17 Brandon University Calendar for more information.

Final Mark (%)	Grade	Grade Points	Final Mark (%)	Grade	Grade Points
90 – 100	A+	4.3	67 - 69	C+	2.3
85 - 89	A	4.0	63 - 66	C	2.0
80 - 84	A-	3.7	60 - 62	C-	1.7
77 - 79	B+	3.3	50 - 59	D	1.0
73 - 76	B	3.0	0 - 49	F	0
70 - 72	B-	2.7			