

ENVT 270A Wildlife Conservation and Management

3 Credits, 3 hours lecture 1 hour tutorial per week

The course provides students with a synthesis of wildlife ecology, conservation and management with a focus on the requirements of the oil sands industry within industrial, urban, rural, wilderness and agricultural environments. Both game and non-game species in terrestrial and aquatic environments are considered. Specific topics addressed include: population biology; wildlife/habitat relationships; herbivory and predation; behavioral ecology; competition; parasites and pathogens; population sampling; conservation biology and management techniques. Emphasis placed on issues related to oil sands extraction. Field trips are required.

Prerequisites BIOL 108

Instructor

Dr. David Smith
S209B
780-791-4997
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Office Hours

Monday – Friday 11:00 – 11:50

Hours and Location of Instruction

Tuesday	12:00 – 12:50	Room 228
Thursday	12:00 – 12:50	Room 215
Friday	9:00 – 10:50	Room S214

Required Resources

Textbook title, Sinclair, A.R.E. et al. Wildlife Ecology, Conservation and Management. Wiley-Blackwell, 2006 (2nd edition) author(s), edition, ISBN 978-1-4051-0737-2
Other supplies

Course Outcomes

The student will be able to:

- Collect, analyze and interpret ecological data on wildlife and wildlife habitat in the oilsands region.
- Synthesize information from numerous disciplines on a variety of issues related to wildlife management in Alberta, across Canada and world-wide, especially with regard to wildlife/habitat relationships, wildlife ecology, wildlife management techniques and policy.
- Demonstrate a thorough understanding of wildlife population dynamics and population genetics by presenting an oral presentation and by submitting scientific writing assignments

Evaluation

Clearly outline what students must do in order to pass or complete the course.

Assignments	10@ 1.5% = 15%, due each week
Oral Presentation	10%, due the week before final exams
Term Paper	15%, due the week before final exams
Midterm Exam	25%, week of February 16
Final Exam	35%, week of April 20
Total	100%

A grade of C- is required for progression or transfer.

Grading System

Descriptor	Alpha Grade	4.0 Scale	Percent	Rubric for Letter Grades
Excellent	A+	4.0	> 92.9	Work shows in-depth and critical analysis, well developed ideas, creativity, excellent writing, clarity and proper format.
	A	4.0	85 – 92.9	
	A-	3.7	80 – 84.9	
Good	B+	3.3	77 – 79.9	Work is generally of high quality, well developed, well written, has clarity, and uses proper format.
	B	3.0	74 – 76.9	
	B-	2.7	70 – 73.9	
Satisfactory Progression	C+	2.3	67 – 69.9	Work has some developed ideas but needs more attention to clarity, style and formatting.
	C	2.0	64 – 66.9	
	C-	1.7	60 – 63.9	
Poor Minimum Pass	D+	1.3	55 – 59.9	Work is completed in a general way with minimal support, or is poorly written or did not use proper format.
	D	1.0	50 – 54.9	
Failure	F	0.0	< 50	Responses fail to demonstrate appropriate understanding or are fundamentally incomplete.

Proposed Schedule of Topics

Jan. 5	Introduction and history – Chapter 1
Jan. 12	Food habits – Chapter 4
Jan. 19	Behaviour – Chapter 5
Jan. 26	Habitat relationships – Chapter 12
Feb. 2	Species interactions – Chapter 9
Feb. 9	Population dynamics – Chapter 14
Feb. 16	Midterm – Chapter 11
Mar. 2	Population genetics – Chapter 17
Mar. 9	Harvest – Chapter 19
Mar. 16	Fragmentation and connectivity – Chapter 20
Mar. 23	Focal species related to oil sands extraction – Chapter 10
Mar. 30	Census and sampling techniques – Chapter 13
April 6	Economics and policy – Chapter 18
April 13	Oral presentations

Please Note:

Date and time allotted to each topic is subject to change. It is your responsibility as a student to contact the Office of the Registrar to complete the forms for Withdrawal or Change of Registration, and any other forms. Please refer to the list of important dates as noted in the Academic Schedule in the Keyano College Credit Calendar.

Performance Requirements**Laboratory Safety**

In the science laboratories, safety is important.

Students must complete the *WHMIS for Students* online training course on Moodle before entering the science laboratories.

Students must comply with the mandatory laboratory safety rules for this course as provided in the laboratory manual. Failure to do so will result in progressive discipline such as a verbal warning, refused entry into the laboratory, or suspension from the College.

Student Attendance

Class attendance is useful for two reasons. First, class attendance maximizes a student's learning experience. Second, attending class is a good way to keep informed of matters relating to the administration of the course (e.g., the timing of assignments and exams). Ultimately, you are responsible for your own learning and performance in this course.

It is the responsibility of each student to be prepared for all classes. Students who miss classes are responsible for the material covered in those classes and for ensuring that they are prepared for the next class, including the completion of any assignments and / or notes that may be due.

Academic Misconduct

Students are considered to be responsible adults and should adhere to principles of intellectual integrity. Intellectual dishonesty may take many forms, such as:

- Plagiarism or the submission of another person's work as one's own
- The use of unauthorized aids in assignments or examinations (cheating)
- Collusion or the unauthorized collaboration with others in preparing work
- The deliberate misrepresentation of qualifications
- The willful distortion of results or data
- Substitution in an examination by another person
- Handing in the same unchanged work as submitted for another assignment

Penalties for academic offences range from a verbal reprimand to dismissal from the College, and in certain circumstances may involve legal action.

Specialized Supports**Counselling and Disability Services**

Counselling Services provides a wide range of specialized counselling services to prospective and registered students, including personal, career and academic counselling.

SKILL Centre

The SKILL Centre is a learning space in the Clearwater Campus at Keyano College where students can gather to share ideas, collaborate on projects and get new perspectives on learning from our tutorial staff.

The SKILL Centre, through a variety of delivery methods, provides assistance in skill development to Keyano students. Assistance is provided by instructors, staff and student tutors. Individuals wishing to improve their mathematics, writing, grammar, study, or other skills, can take advantage of this unique service.

Authorization

This course outline has been reviewed and approved by the Program Chair.

David Smith, Instructor

Louis Dingley, Chair

Date Authorized

Guy Harmer, Dean

Date Authorized

Signed copies to be delivered to:

Instructor

Registrar's Office