ENVT 270 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 oilsands 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 oilsands extraction. Field trips are required.

Prerequisites BIOL 108

Instructor

Dr. David Smith
S209B
780-791-4997
david.smith@keyano.ca

Office Hours

Monday to Friday 12:00 – 12:50
All office hours are in S209B

Hours and Location of Instruction

Tuesday 1:00 – 3:50 Room S214
Thursday 10:00 – 10:50 Room S218

Required Resources

Textbook title, Krausman, P.R. and J. W. Cain, III. 2013. Wildlife Management and Conservation. John Hopkins University Press. Baltimore. ISBN 978-1-4214-0986-3
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 20
Final Exam	35%, week of April 17
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 (week of:)

Jan. 8	Introduction and history – Chapter 1
Jan. 15	Food habits – Chapter 4
Jan. 22	Behaviour – Chapter 5
Jan. 29	Habitat relationships – Chapter 12
Feb. 5	Species interactions – Chapter 9
Feb. 12	Population dynamics – Chapter 14
Feb. 19	Midterm – Chapter 11
Feb. 19	Population genetics – Chapter 17
Mar. 5	Harvest – Chapter 19
Mar. 12	Fragmentation and connectivity – Chapter 20
Mar. 19	Focal species related to oilsands extraction – Chapter 10
Mar. 26	Census and sampling techniques – Chapter 13
April 2	Economics and policy – Chapter 18
April 9	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.

Attendance of lectures, tutorials and field trips is mandatory and will be monitored and reported to the Chair. Missing two or more field trips or tutorials will result in failure.

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
- Breach of confidentiality.

The consequences for academic misconduct range from a verbal reprimand to expulsion from the College. More specific descriptions and details are found in the Student Rights and Student Code of Conduct section of the Keyano College 2016-2017 credit calendar. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and Student Code of Conduct Policies.

In order to ensure your understanding of the concept of plagiarism, you must successfully complete the online tutorial found on ilearn.keyano.ca. Then print the certificate, sign it, and show it to each of your instructors. Your course work will not be graded until you show this signed certificate.

Specialized Supports

Counselling and Accessibility 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.

_____

Dr. David Smith, Instructor

_____

Louis Dingley, Chair   Date Authorized

_____

Vincella Thompson, Dean   Date Authorized

Signed copies to be delivered to:
Instructor
Registrar's Office