

## ENVT 270 Wildlife Conservation and Management

3 Credits, 3 hours lecture 1 hour tutorial per week

### Course Description

The course provides students with a synthesis of wildlife and range 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. Field trips are required.

### Pre and Co-requisites

*Prerequisites BIOL 208 and ENVT 170*

### Course Learning Outcomes (CLOs)

*Upon successful completion of the course, the student shall be able to:*

CLO1 Collect, analyze and interpret ecological data on wildlife and wildlife habitat in the oilsands region.

CLO2 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, range management, wildlife and range ecology, population genetics, fire ecology, hunting and trapping, wildlife diseases, invasive species management, wildlife management techniques and policy.

CLO3 Demonstrate a thorough understanding of wildlife conservation and management by submitting scientific writing assignments.

### Evaluation

Assessment Type	Percentage
Research project report	20%
Research project proposal	10%
Midterm Exam	30%
Final Exam	40%
Total	100%

## Course Completion Requirements

Minimum passing mark of 50% or D is required for progression or transfer.

## Grading Scale

4.0 Grade Scale	Alpha Grade	Percentage Grade
4.0	A+	93-100
4.0	A	85-92.9
3.7	A-	80-84.9
3.3	B+	77-79.9
3.0	B	74-76.9
2.7	B-	70-73.9
2.3	C+	67-69.9
2.0	C	64-66.9
1.7	C-	60-63.9
1.3	D+	55-59.9
1.0	*D	50-54.9
0.0	F	0-49.9

## Land Acknowledgement

We respectfully acknowledge that Keyano College is on Treaty No. 8 Territory, the ancestral and traditional territory of the Cree, Dene, and Métis people.

Review Date: March 4, 2024

Every effort has been made to ensure that information in this course outline is accurate at the time of publication. Keyano College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.

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