COURSE OUTLINE: NRT144 - WILDLIFE MANAGEMENT

Prepared: Rob Routledge
Approved: Karen Hudson, Dean, Community Services and Interdisciplinary Studies

Course Code: Title	NRT144: WILDLIFE MANAGEMENT
Program Number: Name	5230: FORESTRY TECHNICIAN
Department:	NATURAL RESOURCES PRG
Academic Year:	2024-2025
Course Description:	Using current Ontario forest management guides and scientific literature as direction, this course will explore the impacts of forest management on wildlife and their habitat. An emphasis will be placed on the identification of bird groups and selected species and their habitat requirements (e.g., cavity, colonial and stick nesting birds, fur-bearing mammals, game mammals).
Total Credits:	2
Hours/Week:	2
Total Hours:	28
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Vocational Learning Outcomes (VLO's) addressed in this course: **Please refer to program web page for a complete listing of program outcomes where applicable.**	**5230 - FORESTRY TECHNICIAN** VLO 2 Assess soil characteristics, vegetation and wildlife habitats to identify their interactions within forest ecosystems. VLO 5 Contribute to sustainable forest management plans, including conservation and rehabilitation measures, taking into consideration the perspectives of a variety of stakeholders and the requirements of relevant legislation and regulations. VLO 6 Identify and analyze forest diseases, pests, invasive species and other disturbance events and implement mitigation strategies to maintain and improve forest ecosystems. VLO 8 Work independently and in a collaborative environment while applying effective teamwork, leadership and interpersonal skills. VLO 9 Communicate technical information to a variety of stakeholders in oral, written, visual and electronic forms.
Essential Employability Skills (EES) addressed in this course:	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience. EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication. EES 3 Execute mathematical operations accurately. EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. EES 6 Locate, select, organize, and document information using appropriate technology

		and information systems.
	EES 7	Analyze, evaluate, and apply relevant information from a variety of sources.
	EES 8	Show respect for the diverse opinions, values, belief systems, and contributions of others.
	EES 9	Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
	EES 10	Manage the use of time and other resources to complete projects.
	EES 11	Take responsibility for ones own actions, decisions, and consequences.

General Education Themes:

Civic Life

Science and Technology

Course Evaluation:

Passing Grade: 50%, D

A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.

Other Course Evaluation & Assessment Requirements:

Academic success is directly linked to attendance. Missing more than 1/3 of the course hours in a semester shall result in a F Grade for this Course

Absences during field labs, tests, quizzes, and other assessments will not be excused without documented personal or health reasons.

Late assignments will only be accepted within 24 hours past the due date and will be penalized 20% except under extenuating circumstances with appropriate documentation.

Changes to the Course Evaluation scheme may be considered during the semester if approved by the majority of the class (majority = approval by 75% of students present at time of vote).

The instructor cannot guarantee responses to questions in the 24-hour period prior to assignment deadlines and tests via phone message or email.

Books and Required Resources:

Tracking and the Art of Seeing Wildlife by Rezendes
Publisher: Harper Collins Publishers Edition: 2nd
ISBN: 9780062735249

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
1. Describe the primary objectives of the Forest Management Guide for Great Lakes - St. Lawrence Forest Landscapes (Landscape Guide) and the Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales (Stand and Site Guide) as they relate to Ontario`s biodiversity.	1.1 Distinguish between each guide and their related species and management requirements.

Course Outcome 2	Learning Objectives for Course Outcome 2
2. Identify selected wildlife and discuss life history, habitat requirements, and their importance in Ontario (e.g., game species, Species at Risk, furbearer, etc.).	2.1 Focus is on birds and mammals, but may include reptile, amphibian, plant, and invertebrate species.
Course Outcome 3	**Learning Objectives for Course Outcome 3**
3. Describe the directions set forth in the Landscape Guide and Stand and Site Guide to enhance or mitigate forest harvesting activity effects on biodiversity.	3.1 Research the requirements for individual species` biological management requirements and/or mitigation pertaining to forest management activities.
Course Outcome 4	**Learning Objectives for Course Outcome 4**
4. Describe the concept of adaptive management and its importance in forest management.	4.1 Relate forest management impacts for mitigation according to the Landscape Guide and Stand and Site Guide and the Legislation governing forest management activities.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Final Test	19%
Presentations (Wildlife - AOC - SAR)	19%
Quizzes (x6 - 5% each)	30%
Stick nest keying	5%
Three minute presentations (peer reviewed article)	12%
Tracks and Signs Assignment	15%

Date: July 17, 2024

Addendum: Please refer to the course outline addendum on the Learning Management System for further information.