COURSE OUTLINE: NRT144 - WILDLIFE MANAGEMENT

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Approved: Sherri Smith, Chair, Natural Environment, Business, Design and Culinary

Course Code: Title	NRT144: WILDLIFE MANAGEMENT
Program Number: Name	5220: NAT ENVIRONMENT TN
Department:	NATURAL RESOURCES PRG
Semesters/Terms:	18F
Course Description:	Using current forest management guides as direction, this course will explore the impacts of forest management on fish and wildlife habitat with a focus on how species respond to changes in their environment. An emphasis will be placed on the identification of selected species and their habitat requirements, population monitoring techniques, and current forest harvesting practices used to mitigate potentially harmful effects to habitat.
Total Credits:	2
Hours/Week:	2
Total Hours:	30
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.**	**5220 - NAT ENVIRONMENT TN** VLO 1 Collect data from representative biological and environmental samples using routine test procedures. VLO 2 Utilize natural resources equipment and technology to accurately identify ecosystem components for purposes of conserving and managing natural resources. VLO 3 Apply the basic concepts of science to natural resource conservation and management. VLO 4 Conduct natural environment assessments according to standard field survey methods, including the use of appropriate equipment and materials. VLO 5 Recommend eco-site conservation and management strategies through the classification of ecosystem components. VLO 6 Practice principles and ethics associated with natural resource conservation and management issues. VLO 7 Work safely in adherence to occupational health and safety standards. VLO 8 Complete all work in compliance with applicable municipal, provincial and federal standards and guidelines. VLO 9 Contribute to the implementation of natural resource conservation and management. VLO 10 Perform basic project management support techniques. VLO 11 Communicate technical information accurately and effectively in oral, written and visual forms. VLO 12 Travel accurately in a timely manner in the outdoors using appropriate navigation aids and motorized transport equipment. VLO 13 Apply awareness of global environmental issues to conservation and management of natural resources.

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

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.	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.).	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	Research the requirements for individual species` biological

	Guide to enhance or mitigate forest harvesting activity effects on biodiversity.	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.	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	Course Outcome Assessed
Assignments	20%	
Practical Tests	50%	
Quizzes	10%	
Theory Tests	20%	

Date: June 19, 2018

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