COURSE OUTLINE: NET315 - SPECIES AT RISK

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

Course Code: Title	NET315: SPECIES AT RISK MANAGEMENT
Program Number: Name	5221: NAT ENVIRONMENT TY
Department:	NATURAL RESOURCES PRG
Semesters/Terms:	18F
Course Description:	This course will focus on the initiation of field projects to management of Ontario`s endangered flora and fauna. Students will develop and implement status reports and recovery plans for species at risk.
Total Credits:	3
Hours/Week:	3
Total Hours:	45
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.**	**5221 - NAT ENVIRONMENT TY** VLO 1 Collect, analyze, interpret and report on data from representative biological and environmental samples. VLO 2 Utilize natural resources information technology equipment to assemble, analyze and present identified 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 Plan, design, implement and participate in the maintenance of natural environment assessments. VLO 5 Apply eco-site conservation and management principles VLO 6 Practice principles and ethics associated with natural resource conservation and management issues. VLO 7 Ensure all work is safely completed in adherence to occupational health and safety standards. VLO 8 Contribute to the development, implementation and maintenance of environmental management systems. VLO 9 Provide ongoing support for project management. VLO 10 Communicate technical information accurately and effectively in oral, written, visual and electronic forms. VLO 11 Develop and present strategies for ongoing personal and professional development to enhance performance as an environmental technologist.
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.

Course Evaluation:

Passing Grade: 50%, D

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
1. Protection legislation	1.1 Introduction to The Federal Species at Risk Act S.C. 2002 1.2 Introduction to the Ontario Endangered Species Act S.O. 2007
Course Outcome 2	**Learning Objectives for Course Outcome 2**
2. Designation status process and categories	2.1 Status designations federally and provincially 2.2 Global ratings and Ontario ratings 2.3 Rare habitats
Course Outcome 3	**Learning Objectives for Course Outcome 3**
3. Species identification	3.1 Identify species at risk in Canada using images and field work 3.2 Identify species at risk in Ontario using images and field work
Course Outcome 4	**Learning Objectives for Course Outcome 4**
4. Identify critical habitats for selected species at risk	4.1 Study and research individual selected local species at risk in the lab and in the field with careful attention to habitat requirements, habitat restoration and protection 4.2 Conduct life sciences assessment to determine critical habitats for species at risk
Course Outcome 5	**Learning Objectives for Course Outcome 5**
5. Learn management techniques for individual species at risk	5.1 Investigate status reports and recovery strategies, their individual species requirements and implementation 5.2 Write status reports and recovery strategies for selected species at risk

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight	Course Outcome Assessed
Exams	10%	All
Reports	40%	All
Tests and Assignments	50%	All

Date:	June 22, 2018
	Please refer to the course outline addendum on the Learning Management System for further information.