



COURSE OUTLINE: NET315 - SPECIES AT RISK

Prepared: School of Natural Environment

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
Academic Year:	2022-2023
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:	42
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:	5221 - NAT ENVIRONMENT TY
Please refer to program web page for a complete listing of program outcomes where applicable.	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	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form



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Skills (EES) addressed in this course:	<p>that fulfills the purpose and meets the needs of the audience.</p> <p>EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p> <p>EES 3 Execute mathematical operations accurately.</p> <p>EES 4 Apply a systematic approach to solve problems.</p> <p>EES 5 Use a variety of thinking skills to anticipate and solve problems.</p> <p>EES 6 Locate, select, organize, and document information using appropriate technology and information systems.</p> <p>EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.</p> <p>EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.</p> <p>EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.</p> <p>EES 10 Manage the use of time and other resources to complete projects.</p> <p>EES 11 Take responsibility for ones own actions, decisions, and consequences.</p>
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Course Evaluation:	<p>Passing Grade: 50%, D</p> <p>A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.</p>
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Other Course Evaluation & Assessment Requirements:	<p>Academic success is directly linked to attendance. Missing more than 1/3 of the course hours in a semester shall result in an 'F' grade for the course.</p>
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Course Outcomes and Learning Objectives:	<table border="1"> <thead> <tr> <th>Course Outcome 1</th> <th>Learning Objectives for Course Outcome 1</th> </tr> </thead> <tbody> <tr> <td>1. Protection legislation</td> <td>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</td> </tr> <tr> <th>Course Outcome 2</th> <th>Learning Objectives for Course Outcome 2</th> </tr> <tr> <td>2. Designation status process and categories</td> <td>2.1 Status designations federally and provincially 2.2 Global ratings and Ontario ratings 2.3 Rare habitats</td> </tr> <tr> <th>Course Outcome 3</th> <th>Learning Objectives for Course Outcome 3</th> </tr> <tr> <td>3. Species identification</td> <td>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</td> </tr> <tr> <th>Course Outcome 4</th> <th>Learning Objectives for Course Outcome 4</th> </tr> <tr> <td>4. Identify critical habitats for selected species at risk</td> <td>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</td> </tr> <tr> <th>Course Outcome 5</th> <th>Learning Objectives for Course Outcome 5</th> </tr> <tr> <td>5. Learn management</td> <td>5.1 Investigate status reports and recovery strategies, their</td> </tr> </tbody> </table>	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	5.1 Investigate status reports and recovery strategies, their
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	techniques for individual species at risk	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
	Exams	10%
	Reports	40%
	Tests and Assignments	50%
Date:	June 30, 2022	
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.	