

# **SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



## **COURSE OUTLINE**

**COURSE TITLE: ENDANGERED SPECIES RECOVERY**

**CODE NO. : NET 304**

**SEMESTER: 5**

**PROGRAM: NATURAL ENVIRONMENT TECHNOLOGIST**

**AUTHOR: Bob Knudsen**

**DATE: Sept 2016**

**PREVIOUS OUTLINE  
DATED:**

**Sept 2015**

**APPROVED:**

**Colin Kirkwood  
DEAN**

**Sept 2016  
DATE**

**TOTAL CREDITS: 2**

**PREREQUISITE(S): None**

**HOURS/WEEK: 3**

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**I. COURSE DESCRIPTION:**

Endangered Species Recovery is a specialized course exploring issues, planning and techniques related to the recovery of endangered species. Focus areas include species identification, life history analysis, critical habitat requirements, protection legislation, designation status process and categories, planning recovery and management techniques. Students will be required to take part in field trips designated to identification, habitat assessment, population estimates and/or management techniques for endangered flora and fauna species.

**II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

Upon successful completion of this course, the student will demonstrate the ability to:

1. Protection legislation:

Potential Elements of the Performance:

- Introduction to The Federal Species at Risk Act S.C. 2002
- Introduction to the Ontario Endangered Species Act S.O. 2007

2. Designation status process and categories:

Potential Elements of the Performance:

- Status designations federally and provincially
- Global ratings and Ontario ratings
- Rare habitats

3. Species identification:

Potential Elements of the Performance:

- Identify species at risk in Canada using images and field work
- Identify species at risk in Ontario using images and field work

4. Identify critical habitats for selected species at risk:

Potential Elements of the Performance:

- 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
- Conduct life sciences assessment to determine critical habitats for species at risk

5. Learn management techniques for individual species at risk:

Potential Elements of the Performance:

- Investigate status reports and recovery strategies, their individual species requirements and implementation
- Write status reports and recovery strategies for selected species at risk

**III. TOPICS:**

1. Protection Legislation
2. Designation status process and categories
3. Species identification
4. Identify critical habitats for selected species at risk
5. Learn management techniques for selected species at risk

**IV. REQUIRED RESOURCES/TEXTS/MATERIALS:****Websites**

<http://www.rom.on.ca/ontario/risk.php>

<http://nhic.mnr.gov.on.ca/>

[http://www.cosewic.gc.ca/eng/sct3/index\\_e.cfm](http://www.cosewic.gc.ca/eng/sct3/index_e.cfm)

[http://www.mnr.gov.on.ca/en/Business/Species/index.html?CSB\\_ic-name=specialInitiatives&CSB\\_ic-info=speciesAtRisk\\_Eng](http://www.mnr.gov.on.ca/en/Business/Species/index.html?CSB_ic-name=specialInitiatives&CSB_ic-info=speciesAtRisk_Eng)

**V. EVALUATION PROCESS/GRADING SYSTEM:**

<b>Protection Legislation - tests and assignments</b>	<b>10%</b>
<b>Designation status process and categories - tests</b>	<b>10%</b>
<b>Species identification – tests</b>	<b>20%</b>
<b>Identify critical habitats for selected species at risk – tests and assignments</b>	<b>20%</b>
<b>Learn management techniques for selected species at risk - Status report or recovery strategy</b>	<b>20%</b>
<b>Final written exam</b>	<b>20%</b>
<b>Total</b>	<b>100%</b>

The following semester grades will be assigned to students:

<b>Grade</b>	<b><u>Definition</u></b>	<b><i>Grade Point Equivalent</i></b>
A+	90 – 100%	4.00
A	80 – 89%	
B	70 - 79%	3.00
C	60 - 69%	2.00
D	50 – 59%	1.00
F (Fail)	49% and below	0.00
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field /clinical placement or non-graded subject area.	
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.	
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.	
NR	Grade not reported to Registrar's office.	
W	Student has withdrawn from the course without academic penalty.	

**VI. SPECIAL NOTES:**

Attendance:

Sault College is committed to student success. There is a direct correlation between academic performance and class attendance; therefore, for the benefit of all its constituents, all students are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session.

**VII. COURSE OUTLINE ADDENDUM:**

The provisions contained in the addendum located on the portal form part of this course outline.