

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



**SAULT
COLLEGE**

COURSE OUTLINE

COURSE TITLE: Environmental Assessment Implementation & Monitoring

CODE NO. : NET310 **SEMESTER:**

PROGRAM: NET

AUTHOR: Robert Rattle

DATE: 15/12/11 **PREVIOUS OUTLINE
DATED:**

APPROVED: "B.Punch"

CHAIR

DATE

TOTAL CREDITS:

PREREQUISITE(S):

HOURS/WEEK:

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**For additional information, please contact Brian Punch, Chair, Environment and Design
School of Technology and Natural Resources
(705) 759-2554, Ext. 2681**

- I. **COURSE DESCRIPTION:** This course will focus on the documentation of potential environmental effects of projects subject to the Environmental Assessment Act and measures to mitigate these effects in a comprehensive report. In addition, the design of follow-up programs to assess the effectiveness of mitigating measures will be covered.

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

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

1. List and describe the necessary steps for completion of an environmental assessment under the Canadian Environmental Assessment Act
Potential Elements of the Performance:
 - describe the CEA process
 - list the steps in a comprehensive study report
 - outline the necessary information for preparing a project description under CEAA
2. Describe best practices when conducting an environmental assessment
Potential Elements of the Performance:
 - explain the role of each stage in an environmental assessment
 - list and describe the various methods used for each stage
 - discuss the merits of different methods for different applications
3. Explain the different components of an environmental assessment, including the social, health and environmental components and the role of consultations
Potential Elements of the Performance:
 - describe and discuss the different types of assessments used in an environmental assessment
 - explain their uses and merits
 - explain their differences
 - describe the different techniques and methods each use
4. Design, develop and execute a public consultation plan
Potential Elements of the Performance:
 - explain the basic and operational principles of meaningful participation
 - describe various methods and techniques used for public consultation
 - explain the role of local and traditional ecological knowledge
5. Describe the function and elements of a cumulative effects assessment

Potential Elements of the Performance:

- Define cumulative effects
 - Describe types of cumulative effects
 - identify different models to assess cumulative effects
6. Design a follow-up plan to assess the effectiveness of mitigation measures and explain the development and use of different types of indicators

Potential Elements of the Performance:

- describe what an indicator is and the different types
- explain the difference between types of follow-up monitoring
- list and describe a variety of monitoring methods and techniques

III. TOPICS:

1. Environmental assessment process
2. Stages of the EIA in Canada
3. Social, health assessments
4. Consultations
5. Cumulative effects assessment
6. Indicators and monitoring

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

V. EVALUATION PROCESS/GRADING SYSTEM:

- Assignments – 35%
- Term Assignment – 35%
- Final Exam – 15%
- Class Participation – 15%

The following semester grades will be assigned to students:

Grade	<u>Definition</u>	<i>Grade Point Equivalent</i>
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.

<Optional: It is the departmental policy that once the classroom door has been closed, the learning process has begun. Late arrivers will not be granted admission to the room.>

<include any other special notes appropriate to your course>

VII. COURSE OUTLINE ADDENDUM:

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