

SAOLT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

COURSE TITLE: ENVIRONMENTAL IMPACT ASSESSMENT

CODE NO.: WTR 324-3 SEMESTER: VI

PROGRAM: WATER RESOURCES ENGINEERING TECHNOLOGY

AUTHOR: JOHN K. THEIL

DATE: NOVEMBER 1989 PREVIOUS OUTLINED DATED: MAY 1989

APPROVED:

  
CHAIRPERSON

  
DATE

ENVIRONMENTAL IMPACT ASSESSMENT

WTR 324-3

**COURSE NAME**

**COURSE NUMBER**

**TOTAL CREDIT HOURS 45**

**PREQUISITES(S):** BI0129, FOK318, FOR328, WTR226

**I. PHILOSOPHY/GOALS:**

To present introductory information on the environmental impact assessment process and environmental assessment legislation toward the preparation of environmental impact reports.

**II. STUDENT PERFORMANCE OBJECTIVES:**

Upon successful completion of this course the student will be able to:

1. Define the "environment" as set out in the Environmental Assessment Act.
2. Identify and apply the basic steps and procedures of an environmental planning process.
3. Present and discuss the required content of an environmental assessment document, public participation requirements, and processing of the document under the Act.
4. Identify various factors to be considered in environmental assessment studies.
5. Prepare and present an environmental impact assessment report dealing with a particular aspect of the environment.

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**III. TOPICS TO BE COVERED:**

<u>TOPICS</u>	HOURS
1. Environmental Quality and Decision Making Considerations.	
A. Residuals Management	
3. Guidelines for the Preparation of Environmental Assessments	
4. Class Environmental Assessments	
Approaches to Forecasting Environmental Impacts	
Methods and Processes for Evaluating Environmental Impacts	
	39
Review	2
Interim Test/Final Examination	4

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**IV. METHOD OF EVALUATION:**

Assignments	40%
Interim Examination	20%
Final Examination	40%

Grading;

A+ 90-100%    A 80-89%    B 70-79%    C 60-69%

A passing grade will be based on a composite grading of 60%. Students obtaining a composite grading of 55 to 59% may be allowed to complete a supplementary examination.

**V. REQUIRED STUDENT RESOURCES:**

Ortolano, Leonard, Environmental Planning and Decision Making, John Wiley and Sons.

Ministry of the Environment, General Guidelines For the Preparation of Environmental Assessments.

Municipal Engineers Association, Class Environmental Assessment for Municipal Sewage and Water Projects.

**VI. ADDITIONAL RESOURCE MATERIALS AVAILABLE IN THE COLLEGE LIBRARY BOOK SECTION**

Canter, Larry W., Environmental Impact Assessment, McGraw-Hill Book Company.

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