

SAULT 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: MAY 1991 PREVIOUS OUTLINED DATED; NOVEMBER 1989

APPROVED 1


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 4/f/
DATE

ENVIRONMENTAL IMPACT ASSESSMENT

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COURSE NAME

COURSE NUMBER

TOTAL CREDIT HOURS 45

PREQUISITES(S): BI0129, FOR318, 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. Identify the governing factors pertaining to Individual and Class Environmental Assessments.
4. Present and discuss the required content of an environmental assessment document, public participation requirements, and processing of the document under the Act.
5. Identify various factors to be considered in environmental assessment studies.
6. 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.	
2. Residuals Management	
3. Guidelines for the Preparation of Environmental Assessments	
4. Class Environmental Assessments	6
Approaches to Forecasting Environmental Impacts	6
Methods and Processes for Evaluating Environmental Impacts	
	37
Review	3
Interim Test/Final Examination	5
	"45"

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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.

VII. SPECIAL NOTES:

Students with special needs (e.g. physical limitations, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.