

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: ENVIRONMENTAL PROJECT  
Code No. WTR 323-4  
Program: WATER RESOURCES ENGINEERING TECHNOLOGY  
Semester: V (WINTER, 1986) AND VI (SUMMER, 1986)  
Date: DECEMBER, 1985  
Author: JOHN K. THEIL

New: X

Revision:

APPROVED;

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Chairperson

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Date

CALENDAR DESCRIPTION

ENVIRONMENTAL PROJECT

WTR 323-4

COURSE NAME

COURSE NUMBER

PHILOSOPHY/GOALS:

The project entails the preparation of a report on an environmental related topic, selected by the student and approved by the instructor.

METHOD OF ASSESSMENT (GRADING METHOD):

The student will be assessed by letter grade based on the following aspects, weighted on a percentage basis as shown.

	<u>Weight (%)</u>
1. Project organization	10
2. Level of effort	10
3. Technical ability	20
4. Communication skills	20
5. Seminar presentation and attendance	20
6. Documentation and report submission	20

Each of the above aspects of the project must be acceptable to the instructor.

<u>Grading;</u>	A = 80-100%
	B = 70-79%
	C = 60-69%

A minimum composite grading of 60% will be required for the successful completion of the course.

WTR 323-4 ENVIRONMENTAL PROJECT

GENERAL REQUIREMENTS

The student will be required to carry out any necessary field investigations, data collection, bench scale model construction, experiments, laboratory testing and literature review. In addition, a high degree of self-motivation, organization, technical ability and communication skills will be expected.

During the course of the project, typed submissions of the following will be required:

TOPIC  
OBJECTIVES  
REPORT OUTLINE  
DRAFT REPORT  
FINAL REPORT

The final report is to be submitted in duplicate. One copy will be forwarded to the Library, while the second copy will be retained by the Department.

RECOMMENDED TIMETABLE

Each student will be expected to prepare a schedule for the project and to maintain an up-to-date diary of project activities. The schedule for each student will vary depending upon the type of project. Generally, however, the following timetable is recommended:

January 24, 1986	Topic Selection
February 7, 1986	Objectives Submitted
February 21, 1986	Report Outline Submitted
July 4, 1986	Draft Report Submitted
August 1, 1986	Final Report Submitted

It is noted that the final report is to be submitted on or before August 1, 1986.

REPORT PRESENTATION

The successful completion of the course includes a seminar presentation of the project by the student. Each presentation will be allowed a time interval of 20-30 minutes, followed by questions and discussions. Seminars will be scheduled between July 14 and August 8, at which one or more students will make presentations.

WTR 323-4

ENVIRONMENTAL PROJECT

LIST OF PROJECT REPORTS IN LIBRARY

1984

1. Chlorine Residual Characteristics of the Drinking Water of the City of Sault Ste. Marie, by Nasser Kamazani.
2. Design of a Small Scale Aqua-culture System, by Tym Garside.
3. Flood Frequency Analysis of the Goulais River, by Chris P. Boyle.
4. Pipe Network Analysis by the Hardy Cross Method: A Basic Computer Program Approach, by Elizabeth Kazmierczak.
5. Report on Algoma Steel Abatement and Control of Waste Water Discharges, by Dan Edwards.
6. Snow Acidity in Sault Ste. Marie, by Terry Pagnan.
7. Study of the Performance of the P.U.C. Lorna Drive Pumping Station, by Maria Thibodeau.
8. Phosphorus Removal Study (With Regards to the Sault W.W.T. Plant), by Ahmed Hannis.

1985

9. Cholinesterase Activities in Brook Trout: A Bioassay Study of Fenitrothion Containing Triton XII4 on Brook Trout at Great Lakes Forest Pest Management Institute During the Fall and Winter in 1984-85, by Mark Witty.
10. Low Cost Water Filtration, by Ken Tamblyn.
11. Methoxychlor Bioassay, by Guillaume Poitras.
12. Effects of Simulated Acid Rain on Four Conifers of Northern Ontario, by Lynn Eden.
13. The FPMI Permethrin Mist Blower; Drift/Bioassay Study of a Thessalon Area During September, 1983, by Wendy McLean.
14. Development of an Inexpensive Field Kit for Chemical and Biological Analyses, by Jean Gough.
15. Report on Iron in Well Waters, by Joseph S. Pierre.
16. The Suitability of Dolomite as a "Packed Bed Reactor" - Neutralization Media, by Phillip J. Whalley.