

SAULT COLLEGE OF APPLIED ARTS / TECHNOLOGY

SAULT STE. MARIEF ONTARIO

COURSE OUTLINE

Course Title _____ POLLUTION ECONOMICS

Code No. yTR 320--2

Program 315 WATER RESOURCES

Semester I FIVE

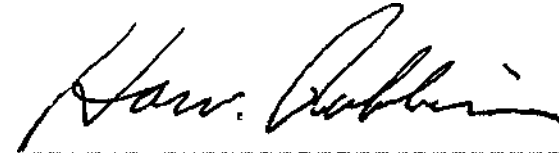
Date: SEPTEMBER!- 1984

Author / S.C* VERMA

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APPROVED I



Chairperson

Date

•OLLUTION ECONOMICS

UTR 320--2

Course Name

Course Number

OBJECTIVES

- 1) Understand waste? pollution and pollution problems*
- 2) Knowledge about approaches to find a solution to pollution problems based on economics and social laws.
- 3) Application of the principles of economics to simple pollution problems to make a sound judgment/decision as to the method/solution best suited under a given set of conditions.

Requirements

Mid-term examination

Project Report

To achieve the objectives specified for this course in the first half of the course students will be given the basic principles of pollution economics through 3 series of lectures. On completion of this students will be given an examination which will contribute 50% to the final mark.

In partial fulfillment of this course every student will be required to submit a project report on a topic related to the subject. The size of report may not be more than fifteen typed pages. Based on the report the student will present a seminar in the class and invite questions from the audience. The weightage of report in determining the final mark is 50%. Following criteria will be used in evaluating the project.

3) Report

- 1) Quality of report from subject matter point of view
- 2) Presentation of the material in the report
- 3) Accuracy? purpose and utility of the analysis

b) Seminar

- 4) Preparation and delivery
- 5) Participation in discussion

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POLLUTION ECONOMICS

LEXIBQQliiS1?

Dales* J.H.J (1968). EDllutiQD EI:QEeEtH and Ericea? An Esss^J iii
Policy--M3kins end Economics> University of Toronto Press? Toronto

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COUESE OUILIfciEJ

1. Pollution and Waste
 - environment pollution cycle
 - economic definition of waste
 - types of wastes
 - physic31» chemical? biological nature of wastes
 - ~ factors controlling the amount and quality of waste
2. Costs of Waste Disposal
 - pollution prevention, ioncos15
 - pDilution costs
 - minimizing waste disposal costs
 - pollution prevention measures and costs
 - damage avoidance measures and costs
3. Economic Analysis of Pollution Problems
 - economic analysis of simplified problems
 - benefit cost analysis
 - benefit cost analysis for various combination of altern&ti
solve a problem
 - economic analysis of actual problems
 - political solutions
4. Case Studies
 - acid rain
 - pulp and paper
 - steel industry
 - others