

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY  
SAULT STE. MARIE, ONTARIO

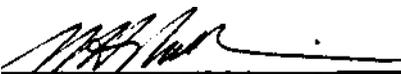
COURSE OUTLINE

Course Title: OCCUPATIONAL HEALTH & SAFETY  
Code No.: SAF 200  
Program: ENVIRONMENTAL ENGINEERING  
Semester: I  
Date: JUNE 1989  
Author: D. HEGGART

New:

Revision:

APPROVED:

  
Chairperson

Dat#

?/ff

CALENDAR DESCRIPTION

OCCUPATIONAL HEALTH & SAFETY

SAF 200-3

**COURSE NAME**

**COURSE NUMBER**

PHILOSOPHY/GOALS;

SAF200-3 is an introductory level course taught to students in Environmental Engineering. The course looks at the Provincial Legislation and related regulations that apply to workers. In addition, safe work practices will be studied as they apply to sampling, trenching and construction.

TEXTBOOK(S);

Occupational Health & Safety Act and WHMIS Regulation.

Regulations for Industrial Establishment.

Regulations for Construction Projects.

Regulations for Mining Plants.

Confined space Hazards ana Control Reference Manual IAPA.

GRADING;

90% > A+

80% > A

70% > B

60% > C

60% < R

EVALUATION;

The final grade is the sume of all tests assignments, mid-term and final examination.

**OCCUPATIONAL HEALTH & SAFETY**  
**SAF 200-3**

UNIT 1 INTRODUCTION TO OCCUPATIONAL HEALTH & SAFETY.

- differentiate between Health & Safety
- role of Industrial Hygiene
- sampling & monitoring

UNIT II LEGISLATION AND RELATED REGULATIONS

- Occupational Health & Safety Act
- Regulations for Industrial, Construction, Mining
- Workplace Hazardous Material Information WHMIS
- Confined Space Entry
- Regulations for designated substances
- MSPA

UNIT III CHEMICAL & PHYSICAL HAZARDS

- Identification of Chemical Hazards, Hazard Rating NFPA
- Toxicity as Hazard, Acute as chronic TLV, STEL
- Evaluation of chemical hazards
- Fire & explosion, LEL, UEL
- Identification of physical hazards

UNIT IV SAFE WORK PRACTICES

- Confined Space Entry (class A, B, C)
- Ventilation
- Personal Protective Equipment
  - clothing
  - respirators
  - hearing
- Trenching

OCCUPATIONAL HEALTH & SAFETY  
SAF 200-3

UNIT IV RESPIRATORY PROTECTION I

- Identification of Hazard
- Hazard assessment
- Hazard Control
- Respiratory Selection
- Worker Training
- Maintenance Procedures
- Medical Surveillance
- Program Evaluation

VIDEO

- Respirators - Norton (18min)
- Air Purifying Respirators (19min)
- Atmosphere Supplying Respirators (19min)
- Respirators for Health & Safety (10min)

RESPIRATORY PROTECTION II

- Types of respirators
- Limitations
- Protection Factors
- Case histories