


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

COURSE OUTLINE

Course Title: PARK ENGINEERING  
Code No.: FOR 317-4  
Program: Forest Recreation Technology  
Semester: Six  
Date: June, 1983  
Author: Gary Maclean

New: \_\_\_\_\_ Revision: X

APPROVED:

  
Chairperson

\_\_\_\_\_  
Date

CALENDAR DESCRIPTION

Park Engineering  
Course Name

FOR 317-4  
Course Number

PHILOSOPHY/GOALS:

The Parks Engineering Course is designed to introduce the student to basic engineering principles related to the design, location and construction of structures and facilities as might be undertaken on recreational areas. Particular emphasis will be placed on the design and construction of small buildings, sanitation facilities, traffic routes and landscaping.

METHOD OF ASSESSMENT (GRADING METHOD):

The final grade will be determined by combining marks obtained in drawing assignments with marks in tests.

The drawings of the small building design will be heavily weighted.

TEXTBOOK(S):

Canadian Wood Frame House Construction, Metric Edition -  
Canada Mortgage and Housing.

Manual on Metric Building Drawing Practice - National  
Research Council

Reference - Septic Tank Systems, Ontario Ministry of the Environment

- 1        **Basic Drafting Practice**
  - use of instruments, geometric construction, freehand lettering, line conventions, orthographic drawing, pictorial drawing, sectional views.
  
- 2        **Topographic Plans and Site Plans**
  - Plotting topographic detail, tracing in ink, use of mechanical lettering equipment, site plan preparation.
  
- 3        **Architectural Drafting**
  - Architectural symbols and conventions, footings and foundations, wood frame construction, elevations and sections, detail drawings, electrical and plumbing installations, small building design.
  
- 4        **Sanitation Installations**
  - Design and installation of typical septic tank sewage treatment system.