

SAULT COLLEGE

of Applied Arts and Technology

Sault Ste. Marie

*PK & Rec.  
is this still taught?*

## COURSE OUTLINE

FOR 316-3

Park Surveying II

revised

May, 1979 by G. Cameron

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGYSAULT STE. MARIEFOREST TECHNOLOGYCOURSE OF STUDY - PARKS SURVEYING - SEMESTER 5 AND SEMESTER 6

The Parks Surveying course is designed to familiarize the student with Surveying and Engineering principles related to the development and use of recreational land. Emphasis is placed on Surveying as a means of obtaining factual information regarding quantitative and qualitative values of land for purposes of assessment of site and the design of recreational facilities. Studies undertaken will be closely integrated with the Parks Engineering course.

TIMESEMESTER 5 - FOR 315-5

5 hours per week, lecture, laboratory, and field.

SEMESTER 6 - FOR 316-3

3 hours per week, lecture, laboratory, and field.

TEXT

Sault College, SURVEYING NOTES

Revised May, 1979

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGYSAULT STE. MARIEFOREST TECHNOLOGYCOURSE OF STUDY OUTLINE - PARKS SURVEYING - FOR 316-3 - SEMESTER 6

| <u>Topic No.</u> | <u>Hours</u> | <u>Topic Information</u>   |
|------------------|--------------|--|
| 1.               | 6            | <u>STADIA SURVEYING</u><br>Principle of stadia measurements, derivation of stadia formulae, stadia rods, methods of reading the rod, stadia field notes, reduction of stadia field notes, plot of stadia survey, applications of the stadia method, field exercise.  |
| 2.               | 12           | <u>PRACTICAL ASTRONOMY</u><br>Astronomy defined, the celestial sphere, terrestrial latitude and longitude, Polaris observation for azimuth, use of the "Star Card", azimuth of reference line, effect of meridian convergence, field observations.   |
| 3.               | 21           | <u>CONSTRUCTION SURVEYING</u><br>Road alignment, stationing, profile leveling, preparation of plan and profile, selection of grade lines, cross sections, earthwork volumes, simple horizontal curves, curve computations, location of curve on the ground, vertical curves, location of property limits, building stakeout, batter boards, earthwork volumes for building construction, giving line and grade in the field, field exercise. |
| 4.               | 3            | <u>DEED DESCRIPTIONS</u><br>Township systems in Ontario, title search, plotting deed descriptions.   |