

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

COURSE OUTLINE

Course Title QUANTITY SURVEYING I
Code NO. : SUR 242-3
Program CIVIL/CONSTRUCTION
Semester: TWO
Date : JUNE, 1985
Author: W. R. DAVIES

New: Revision: X

APPROVED: _____ *i/f* ' ' A
Chairperson

Date

QUANTITY SURVEYING I

SUR 242-3

Course Name

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PHILOSOPHY/GOALS;

- 1 . To develop an appreciation of the place for quantitative assessment in every field of the construction industry.
2. To attain a high level of accuracy in quantitative problem solving.
3. To understand the methods of site development and excavation.
4. To evaluate the material content of concrete structures.

METHOD OF ASSESSMENT (GRADING METHOD)

Course Work	70
Final Examination	30
	100%

TEXTBOOKS)

C.I.Q.S. Method of Measurement

Topic No .	periods	Topic Description	Lecture	Lab
		Review plane and solid mensuration		
		Calculation of the volumes of prisms, cylinders, cones, pyramids, spheres		
		Exercises in combinations of the above shapes		
		Determination of irregular areas and volumes using Simpson's Rule		
		Earth quantities using both grid and contour bases		
		Basic concepts of Canadian contract documents		
		The principles underlying the C.I.Q.S. method of measurement		
		Scheduling the general requirements, section (5.1)		
		Scheduling the site works, section (5.2)		
10	18	Scheduling the concrete, section (5.3)		12

QUANTITY SURVEYING 1

SUR 242-3

TEXTS

Method of Measurement - Canadian Institute of Quantity Surveyors
SI Edition
Highway Materials etc. - Atkins

REFERENCE

Building Construction - Huntington

NOTE: The following course outline should be read in conjunction with both the general and specific objectives of the course.