

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

COURSE OUTLINE

COURSE TITLE: PROJECT MANAGEMENT AND LAW
CODE NO.: CIV 215
SEMESTER: IV
PROGRAM: ARCHITECTURAL / CIVIL TECHNOLOGIST

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DATE: JAN 1997
PREVIOUS OUTLINE DATED: JAN 1995

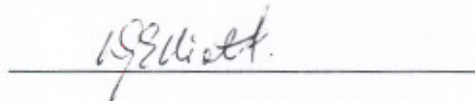
APPROVED:

DEAN



DATE 5 - JAN JAN. 6/97

CO-ORDINATOR



DATE 3 - JAN - 97

TOTAL CREDIT HOURS: 3

PREREQUISITES: None

I. PHILOSOPHY/GOALS:

The intent of this course is to provide the student with a basic knowledge and understanding of construction management practices, planning and scheduling, construction economics, bidding procedures, contract law and documents, bonds, insurance and contract administration.

II. STUDENT PERFORMANCE OBJECTIVES (OUTCOMES):

Upon successful completion of this course the student will:

- 1) Apply planning and scheduling principles to construction projects
- 2) Identify the various types of contracts and contractual relationships that exist within a construction project.
- 3) Describe the basic components of a set of contract documents.
- 4) Describe the purpose and responsibilities of the project manager.
- 5) Identify the various individuals and their respective roles on a construction site.
- 6) Identify the various components of the contract administration process.
- 7) Plan and generate a contract.

III. TOPICS TO BE COVERED:

- 1) The Project Environment
- 2) The Parties Involved
- 3) Construction Contracts
- 4) Contract Administration
- 5) Contract Bidding Procedures

IV. LEARNING ACTIVITIES / REQUIRED RESOURCES

1. The Project Environment

Learning Activities: In class instruction and practical illustrations on:

History of Project Management
Project Goals and Aspirations
Project Management Philosophies

Resources: text, handouts and overheads

2. The Parties Involved

Learning Activities: In class instruction, practical exercises and assignments on:

Terms and Definitions
The Role of the Client
The Role of the Architect
The Role of the Engineer
The Role of the Contractor
The Role of the Contract Manager

Resources: case studies, text, handouts, overheads

3. Construction Contracts

Learning Activities: In class instruction, practical exercises and assignments on:

Plans and Specifications
Terms and Definitions
Types of Contracts
Capital Project Contracting
Approaches to Project Execution and Project Scheduling

Resources: case studies, text, handouts, overheads

4. Contract Administration

Learning Activities: In class instruction, practical exercises and assignments on:

Payment Certification
Changes and Delays
Contract Litigation
Legal Aspects and Recourse
Builders' Lien Act

Resources: case studies, text, handouts, overheads

5. Contract Bidding Procedures

Learning Activities: In class instruction, practical exercises and assignments on:

Competitive Bidding
Bid Bonding
Bid Depositories
Bidding Procedures

Resources: case studies, text, handouts, overheads

V. EVALUATION METHODS:

A final grade will be derived based on tests, assignments and attendance and participation as follows:

Attendance and Participation	15%
Assignments and Quizzes	25%
Midterm Test	25%
<u>Final Test</u>	<u>35%</u>
Total	100%

The grading system used will be as follows:

A+	90-100%
A	80-89%
B	70-79%
C	55-69%
R	Repeat

1. Late assignments will not receive a grade higher than 'C' (62). Assignments submitted after marked assignments have been returned, will not be accepted.
2. Minimum acceptable grade for this course is 55%.

VI. STUDENT RESOURCES

Required Text:

Managing Construction-The Contractual Viewpoint
Keith Collier
Delmar Publishers Inc.

Additional References:

Total Engineering Project Management
G. Ritz
McGraw Hill Book Company

The Contractors Guide to Construction Law
E.J. Brogden
McGraw Hill Book Company

The Law for Professional Engineers
D.L. Marston
McGraw Hill Book Company

Construction Methods and Management
S.W. Nually
Prentice Hall

VII. SPECIAL NOTES

Students with special needs (i.e., physical limitations, visual impairments, hearing impairments, or learning disabilities, are encouraged to discuss required accommodations confidentially with the instructor.)

Your instructor reserves the right to modify the course as deemed necessary to meet the needs of students.