

**SAULT STE. MARIE, ON**  
**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**COURSE OUTLINE**

**COURSE TITLE:** PROJECT MANAGEMENT AND LAW

**CODE NO.:** CIV 215 **SEMESTER:** IV

**PROGRAM:** ARCHITECTURAL/CIVIL/ENVIRONMENTAL TECHNICIAN

**INSTRUCTOR:** H. PIETRZAKOWSKI

**DATE:** JAN 1995 **PREVIOUS OUTLINE DATED:** JAN 1994

**AUTHOR:** H. PIETRZAKOWSKI

**APPROVED:** *L.P. Choquette* 95-01-05  
**DEAN** **DATE**

*[Handwritten signatures]*

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**PROJECT MANAGEMENT AND LAW**  
**COURSE NAME**

**CIV215**  
**COURSE CODE**

**TOTAL CREDIT HOURS:** 3

**PREREQUISITE(S):** 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, contractual arrangements, contract documents, bonds and insurances 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 the many 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 Individuals Involved
- 3) Construction Contracts
- 4) Contract Administration
- 5) Contract Bidding Procedures

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**IV. LEARNING ACTIVITIES/REQUIRED RESOURCES**

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**1. The Project Environment**

**Learning Activities:** In class instruction and practical illustrations on:

- Historical precedents of project management
- Project Goals and Aspirations
- Project Management Philosophies

**Resources:** Practical demonstrations  
Handouts and overheads

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**2. The Individuals 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
- The role of the Clerk of the Works

**Resources:** Practical demonstrations  
Handouts and overheads

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**3. Construction Contracts**

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

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

**Resources:** Practical demonstrations & Case Studies  
Handouts and overheads

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**4. Contract Administration**

**Learning Activities:** In class instruction, practical exercises and assignments on:  
- Payment Certification  
- Changes and Delays  
- Contract Litigation  
- Legal Aspects and Recourse

**Resources:** Case Studies  
Handouts and overheads

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**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  
Handouts and overheads

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**V. EVALUATION METHODS: (INCLUDES ASSIGNMENTS, ATTENDANCE REQUIREMENTS, ETC.)**

A final grade will be derived as follows:

Attendance	10%
Assignments	30%
Midterm Test	25%
Final Test	35%
<b>Total</b>	<b>100%</b>

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 be penalized 5% per calendar day past date due. Late assignments handed in after marked assignments have been handed in will not be accepted.
- 2) Minimum acceptable grade for this course is 55%.

**VI. STUDENT RESOURCES**

**Total Engineering Project Management**  
G.J. Ritz  
McGraw Hill Book Company

**The Contractor's 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

**VIII. SPECIAL NOTES**

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

**Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.**

