# Bemidji State University

# **IT 4259: Construction Management**

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

An advanced study of construction project planning, contracting, and supervision. The management functions of a construction business environment are emphasized. Attention is given to the differences between construction management and construction contracting.

#### **B. COURSE EFFECTIVE DATES:** 03/10/2003 - Present

#### C. OUTLINE OF MAJOR CONTENT AREAS

- 1. Change & Extra Work
- 2. Claims & Disputes
- 3. Construction Laws & Labor Relations
- 4. Construction Materials & Workmanship
- 5. Construction Operations
- 6. Construction Safety
- 7. Design Contruction Process
- 8. Documentation: Records & Reports
- 9. Electronic Project Administration
- 10. Fundamentals of CPM Construction Scheduling
- 11. Measurement & Payment
- 12. Meetings & Negotiations
- 13. Planning for Construction
- 14. Pre-Construction Operations
- 15. Project Closeout
- 16. Resident Inspection Office Responsibilities
- 17. Responsibility & Authority
- 18. Risk Allocation & Liability Sharing
- 19. Specifications & Drawings
- 20. Using the Specification in Contract Administration
- 21. Value Engineering

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## **D. LEARNING OUTCOMES (General)**

- 1. understand the duties and responsibilities of a construction superintendent.
- 2. assess the application of techniques, equipment, and personnel management in construction.
- 3. access and interpret construction management resources.
- 4. develop an awareness of sustainability in the construction industry, the Green Building movement, and LEED.
- 5. identify and explain the functions of construction management.
- 6. understand the legal parameters of the construction industry.

## E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

#### G. SPECIAL INFORMATION

None noted

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