

# Case Studies in Construction

## Outline of Instruction

### Course Information

<b>Organization</b>	Monroe County Community College, Applied Science and Engineering Technology
<b>Development Date</b>	2/4/2009
<b>Course Number</b>	CONM 248
<b>Potential Hours of Instruction</b>	15
<b>Total Credits</b>	1

### Description

This course is designed to explore actual construction project case studies related to: planning, scheduling, estimating, and contract administration.

#### Major Units

1. Planning and Scheduling Construction Projects
2. Estimating
3. Contract Administration
4. Job Site Safety

### Types of Instruction

Instruction Type	Contact Hours	Credits
Classroom Presentation	15	1

### Textbooks

Robert Dorsey. *Case Studies in Building design and Construction*. Prentice Hall. 1999. **Edition:** 1st. **ISBN:** 0-13-079775-8.

### Prerequisites

CONM 242

### Exit Learning Outcomes

#### Program Outcomes

- A. Interpret construction documents to accurately predict project costs and assign resources.
- B. Utilize construction planning methods to create accurate project schedules.
- C. Operate industry-standard software for computer-aided design and drafting (CADD), project cost estimating, and project scheduling.
- D. Demonstrate a working knowledge of MIOSHA, OSHA safety, health, and environmental issues related to construction activities.

#### General Education Outcomes

- A. Communicate ideas in writing using the rules of standard English
- B. Apply mathematical approaches to the interpretation of numerical information

C. Use computer technology to communicate information

### **Course Outcomes**

1. **Apply standard construction scheduling methods to monitor project progress.**
2. **Formulate a plan for tracking project expenses.**
3. **Adapt to changing project conditions.**
4. **Assess effectiveness of project safety program**