Case Studies in Construction
Outline of Instruction

Course Information
Organization: Monroe County Community College, Applied Science and Engineering Technology
Development Date: 2/4/2009
Course Number: CONM 248
Potential Hours of Instruction: 15
Total Credits: 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
<table>
<thead>
<tr>
<th>Instruction Type</th>
<th>Contact Hours</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Classroom Presentation</td>
<td>15</td>
<td>1</td>
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Textbooks

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