

# CMT 107 - CONSTRUCTION SUPERVISION

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- Learn to care more about interpersonal relationships.
- Recognize completing a job will be exceptionally rewarding.

## Learning How to Learn:

- Appreciate the time and effort required in construction supervision.

## Course Description

Students will learn the skills needed for construction management including: business management, estimating and job costing, design and building science, contracts, liability and risk management, marketing and sales, project management and scheduling, the Michigan Residential Code, MIOSHA construction safety standards, and effective communication for construction project management. As part of this course, students will earn pre-licensure for the Residential Builders/Maintenance & Alteration Contractors Examination. Group 2 course.

## Credit Hours

4

## Contact Hours

4

## Lecture Hours

4

## Recommended Prerequisites or Skills Competencies

It is recommended that students have taken or are co-enrolled in MTH 08 or 23 and ENG 99/108.

## General Education Outcomes supported by this course

Critical Thinking - Direct

## Course Learning Outcomes

### Knowledge:

- Define construction, business, and project management.
- Interpret the Michigan Residential Code.
- Explain Michigan Occupational Safety and Health Administration Safety Standards.

### Application:

- Assess blueprints, specifications, contracts.
- Develop contracts, price lists, manpower schedules.
- Negotiate contracts with owners, sub-contractors, utilities.
- Prepare material prices, cost of equipment, labor rates.

### Integration:

- Distinguish how geographic location creates a lot of variability in costs.
- Outline how developing a management strategy is time consuming requiring a lot of research.
- Break down the essentials of time management.

### Human Dimension:

- Discover the amount of time and dedication required to run a construction job/business.
- Determine if they can deal with multiple areas of expertise, people, equipment, property, utilities, owners.

### Caring - Civic Learning: