

Master Syllabus

CAT 1781 - Construction Project

Division: Science, Mathematics and Engineering

Department: Civil Engineering Technology

Credit Hour Total: 4.0

Lecture Hrs: 1.0 **Lab Hrs:** 6.0

Prerequisite(s): CAT 1701 OR CAT 2431

Date Revised: February 2014

Course Description:

Students will work on a significant construction project such as a home for Habitat for Humanity. This course gives students hands-on experience in all phases of a construction project. Most class sessions will be at a construction site in the Greater Dayton Metropolitan area. One classroom, six lab hours per week.

General Education Outcomes:

- ▣ Critical Thinking/Problem Solving Competency
- ▣ Information Literacy Competency
- ▣ Values/Citizenship/Community Competency

Course Outcomes:

Safety review

Identify construction safety issues for the work site.

Assessment Method: Locally developed exams

Performance Criteria: 70% or higher correct responses

Inspection

Perform an inspection to ensure quality and functionality of completed work.

Assessment Method: Behavioral observations

Performance Criteria: Score at least "9" out of 10 on a grading rubric

Construction

Perform construction work safely and properly.

Assessment Method: Behavioral observations

Performance Criteria: 80% or higher of available points on evaluation form

Outline:

Project overview
Safety review
Work planning
Construction
Inspection