

## Master Syllabus

### CAT 2782 - Construction Management Technology Capstone

**Division:** Science, Mathematics and Engineering

**Department:** Civil Engineering Technology

**Credit Hour Total:** 4.0

**Lecture Hrs:** 2.0 **Lab Hrs:** 6.0

**Other Prerequisite(s):** Approval of Department

**Date Revised:** December 2016

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#### Course Description:

Assessment of achievement by Construction Management Technology students in attaining program outcomes by completing a project demonstrating principles and practice of the major. Teamwork on projects will be emphasized. Only offered spring semester. Should be taken last spring term of program. Two classroom, six lab hours per week.

#### General Education Outcomes:

- ▣ Critical Thinking/Problem Solving Competency
- ▣ Values/Citizenship/Community Competency
- ▣ Oral Communication Competency
- ▣ Written Communication Competency
- ▣ Information Literacy Competency
- ▣ Computer Literacy Competency

#### Course Outcomes:

##### **Demonstrate teamwork**

As a member of a team demonstrate the professional values of the Sinclair Honor Code.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

At least "5" out of 7 on review

##### **Project planning and design**

Complete and plan a project through the design phase.

**Assessment Method:** Portfolios

**Performance Criteria:**

Receive score of at least "3.5" of 5 on a rubric

##### **Principles and practices**

Demonstrate the principles and practices of the discipline as described by program outcomes.

**Assessment Method:** Portfolios

**Performance Criteria:**

Receive score of at least "3.5" of 5 on a rubric

#### Outline:

Identify a project

Research sources to solve the problem

Develop alternative solutions

Define project scope

Develop and present oral, graphic and written media of the solution