

## Master Syllabus

### CAT 1301 - Introduction to Civil Construction CAD

**Division:** Science, Mathematics and Engineering

**Department:** Civil Engineering Technology

**Credit Hour Total:** 3.0

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

**Date Revised:** March 2013

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#### Course Description:

Develop proficiency in CAD software to develop civil-construction working drawings. Proper generation of plans to connect the earth's topography and land records will be emphasized. Two classroom, two lab hours per week.

#### General Education Outcomes:

- Computer Literacy Competency

#### Course Outcomes:

##### Software Interface

Develop working knowledge of software user interface to create civil construction drawings.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or better.

##### Generation of Plans

Demonstrate proper generation of plans to connect the earth's topography and land records.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or better.

##### Software Resources and Support

Demonstrate proper use of software resources and support to develop civil construction plans.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or better.

#### Outline:

Software resources and support

User interface

Project browser

Topography

Land records

Generation of plans