

## Master Syllabus

### CAT 1141 - Architectural Blueprint Reading

**Division:** Science, Mathematics and Engineering

**Department:** Civil Engineering Technology

**Credit Hour Total:** 2.0

**Lecture Hrs:** 1.0 **Lab Hrs:** 2.0

**Prerequisite(s):** DEV 0035OR MAT 0100OR MAT 1130OR MAT 1445

**Date Revised:** October 2016

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#### Course Description:

Basic techniques for reading and interpreting construction plans and specifications, both residential and commercial. Includes all major building uses and types of construction as defined by the building code. One classroom, two lab hours per week.

#### General Education Outcomes:

- Critical Thinking/Problem Solving Competency

#### Course Outcomes:

##### Building materials

Identify common building materials and demonstrate familiarity with Construction Specifications Institute (CSI) specification format.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or better on all exams

##### Types of building structures

Describe the underlying principles of the structure of different types of buildings.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or better on all exams

##### Construction plans

Demonstrate proficiency reading and interpreting construction plans and specifications.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or better on all exams

#### Outline:

Types of construction  
Types of building uses  
Reading a set of blueprints  
Wood frame building plans  
Masonry building plans  
Steel frame building plans  
Reinforced concrete building plans