

## Master Syllabus

### CAT 1141 - Architectural Blueprint Reading

**Division:** Science, Mathematics and Engineering

**Department:** Civil Architectural Technology

**Credit Hour Total:** 2.0

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

**Prerequisite(s):** DEV 0024 AND DEV 0032

**Date Revised:** October 2013

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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

### Course Outcomes:

#### Construction plans

Demonstrate proficiency reading and interpreting construction plans and specifications.

**Assessment Method:** Locally developed exams

**Performance Criteria:** 70% or better on all exams

#### 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

### Outline:

Types of constructionTypes of building usesReading a set of blueprintsWood frame building plansMasonry building plansSteel frame building plansReinforced concrete building plans