

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

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