

## Master Syllabus

### CAT 1830 - Construction Techniques III (NCCER Level 2)

**Division:** Science, Mathematics and Engineering

**Department:** Civil Engineering Technology

**Credit Hour Total:** 3.0

**Lecture Hrs:** 1.0 **Lab Hrs:** 4.0

**Prerequisite(s):** CAT 1820

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

**Date Revised:** January 2014

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### Course Description:

Exterior and interior finishing of frame structures including roofing materials, siding, drywall, stairs, doors and trim. May be taken for two semesters. One classroom, four lab hours per week.

### General Education Outcomes:

- ▣ Critical Thinking/Problem Solving Competency

### Course Outcomes:

#### Thermal and moisture protection

Describe methods of providing thermal and moisture protection.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or better on exams

#### Selection of building materials

Demonstrate appropriate selection of building materials.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or better on exams

#### Proper installation techniques

Use proper installation techniques for exterior and interior finish materials.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

70% or more of available points.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

70% or better on exams

### Outline:

Exterior siding

Roofing applications

Thermal and moisture protection

Stairs

Drywall

Doors

Suspended ceilings

Cabinet installation