

## 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

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

**Date Revised:** December 2016

---

#### 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