

Washtenaw Community College Comprehensive Report

IWA 172 Introduction to Structural Features Effective Term: Fall 2010

Course Cover

College: Advanced Technologies and Public Service Careers

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: International Association of Iron Workers

Course Number: 172

Org Number: 19100

Full Course Title: Introduction to Structural Features

Transcript Title: Intro to Structural Features

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Web Page

Reason for Submission: New Course

Change Information:

Rationale: New course in the articulation agreement with the Ironworkers' Local Union No. 25

Proposed Start Semester: Fall 2010

Course Description: This course provides an overview of the structural features of a building. Students will also be introduced to instruments, tools and fasteners with a focus on leveling and anchors. Topics include erecting columns, band beams, joists and trusses, plumbing and aligning, decking and various types of bolts. Classroom training will be supplemented with hands-on experience. This course is only available for Ironworker apprentices through the Local 25 training center.

Course Credit Hours

Variable hours: No

Credits: 4

Lecture Hours: Instructor: 60 **Student:** 60

Lab: Instructor: 0 **Student:** 0

Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 60 **Student:** 60

Repeatable for Credit: NO

Grading Methods: Transfer

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

Enrollment Restrictions

This course is taught at the Ironworkers 25 training center and is only open to apprentices accepted into a program.

General Education

Degree Attributes

Below College Level Pre-Reqs

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify hand and power tools.

Assessment 1

Assessment Tool: Training center instructors and contractors (employers) provide paper feedback evaluation forms for apprentice skill performance reviews.

Assessment Date: Fall 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Apprentice evaluation feedback forms are filled out by the employing contractor and Joint Apprentice Training Committee (JATC) instructor.

Standard of success to be used for this assessment: The standard of success is set by the local Joint Apprentice Training Committee (JATC) in accordance with national and regional standards.

Who will score and analyze the data: The data is analyzed by the Joint Apprentice Training Committee (JATC) as a committee.

2. Identify structural steel components.

Assessment 1

Assessment Tool: Training center instructors and contractors (employers) provide paper feedback evaluation forms for apprentice skill performance reviews.

Assessment Date: Fall 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Apprentice evaluation feedback forms are filled out by the employing contractor and Joint Apprentice Training Committee (JATC) instructor.

Standard of success to be used for this assessment: The standard of success is set by the local Joint Apprentice Training Committee (JATC) in accordance with national and regional standards.

Who will score and analyze the data: The data is analyzed by the Joint Apprentice Training Committee (JATC) as a committee.

3. Unload, erect and connect fabricated iron members to form the skeleton of a structure according to drawings using appropriate safety and setup.

Assessment 1

Assessment Tool: Training center instructors and contractors (employers) provide paper feedback evaluation forms for apprentice skill performance reviews.

Assessment Date: Fall 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Apprentice evaluation feedback forms are filled out by the employing contractor and Joint Apprentice Training Committee (JATC) instructor.

Standard of success to be used for this assessment: The standard of success is set by the local Joint Apprentice Training Committee (JATC) in accordance with national and regional standards.

Who will score and analyze the data: The data is analyzed by the Joint Apprentice Training Committee (JATC) as a committee.

Course Objectives

1. Objectives and methods of evaluation follow the curriculum set out by the Joint Apprentice Training Committee (JATC).

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Other: Ironworkers Local 25 Training Center

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Michele O'Neil</i>	<i>Faculty Preparer</i>	<i>Mar 09, 2010</i>
Department Chair/Area Director: <i>Gloria Eccleston</i>	<i>Recommend Approval</i>	<i>Mar 09, 2010</i>
Dean: <i>James Egan</i>	<i>Recommend Approval</i>	<i>Mar 10, 2010</i>
Curriculum Committee Chair: <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Apr 01, 2010</i>
Assessment Committee Chair: <i>Rosemary Rader</i>	<i>Recommend Approval</i>	<i>Apr 01, 2010</i>
Vice President for Instruction: <i>Phyllis Grzegorzcyk</i>	<i>Approve</i>	<i>Apr 02, 2010</i>