

Washtenaw Community College Comprehensive Report

IWA 191 Reinforced Iron and Structures for Rigging 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: 191

Org Number: 19100

Full Course Title: Reinforced Iron and Structures for Rigging

Transcript Title: Reinforced Iron Structure Rigg

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 is an overview of reinforcing ironwork for new apprentices.

Reinforcing iron topics include material property and related CRSI and ACI codes and specifications.

Structural topics include erecting columns and beams, joists and trusses, plumbing and aligning, decking and various types of bolts. 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 the physical properties and material specifications of structures and 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.

2. Recognize the Concrete Reinforcing Steel Institute (CRSI) and American Concrete Institute (ACI) codes and regulations in reinforcing steel.

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3. Recognize the objectives of the American Institute of Steel Construction (AISC) advanced erector certification checklist items.

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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>