

## Washtenaw Community College Comprehensive Report

### IWA 151 Rigging/Machinery Mover I Proposed start term: Fall 2010

#### Course Cover

**Division:** Vocational Technologies

**Department:** United Association Department

**Discipline:** International Association of Iron Workers

**Course Number:** 151

**Org Number:** 19100

**Full Course Title:** Rigging/Machinery Mover I

**Transcript Title:** Rigging/Machinery Mover I

**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:** Fall 2010

**Course Description:** This course focuses on advanced rigging skills including machinery moving, disconnecting power and hydraulic lines and the basics of reinforced steel. Students will practice loading, hauling, unloading, setting, aligning, laser leveling and grouting. Emphasis will be placed on reading and interpreting blueprints for proper positioning and application to different types of reinforced steel structures. This course is only available for Ironworker apprentices through the Local 25 training center.

#### Course Credit Hours

**Variable hours:** No

**Credits:** 3

**Lecture Hours: Instructor: 45 Student: 45**

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

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

**Other: Instructor: 0 Student: 0**

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

**Repeatable for Credit:** NO

**Grading Methods:** Letter Grades

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

#### College-Level Reading and Writing

College-level Reading & Writing

#### 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

#### Request Course Transfer

**Proposed For:**

#### Student Learning Outcomes

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1. Identify, properly use and maintain rigging tools, equipment and devices.

**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. Use rigging and hoisting techniques, blueprint reading skills and steel detailing applications according to industry standards and specifications in structural steel construction.

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3. Load, unload, move and set machinery, structural steel and curtain walls using proper safety procedures according to industry standards.

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### Course Objectives

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

**Methods of Evaluation**

Other

**Additional Evaluation Information:** This course is assessed externally by the local's Joint Apprentice Training Committee (JATC) consisting of industry representatives and Ironworker members. The local receives feedback on needed technical updates and apprentices' skill performance.

**Matched Outcomes**

1. Identify, properly use and maintain rigging tools, equipment and devices.
2. Use rigging and hoisting techniques, blueprint reading skills and steel detailing applications according to industry standards and specifications in structural steel construction.
3. Load, unload, move and set machinery, structural steel and curtain walls using proper safety procedures according to industry standards.

**New Resources for Course**

**Course Textbooks/Resources**

Textbooks  
Manuals  
Periodicals  
Software  
Other

**Equipment/Facilities**

Other: Ironworkers Local 25 Training Center