

Washtenaw Community College Comprehensive Report

IWT 204 Reinforcing Concrete for Your Apprenticeship Programs Conditional Approval Effective Term: Fall 2011

Course Cover

Division: Vocational Technologies

Department: United Association Department

Discipline: Ironworker Instructor Training

Course Number: 204

Org Number: 28700

Full Course Title: Reinforcing Concrete for Your Apprenticeship Programs

Transcript Title: Reinforcing Concrete

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Web Page

Reason for Submission: New Course

Change Information:

Rationale: This course is part of the Ironworker ITP.

Proposed Start Semester: Fall 2011

Course Description:

This "train-the-trainer" course uses dynamic teaching techniques to introduce the Reinforcing Concrete for Ironworkers training package available from the National Fund. This course will introduce the reference manual, student workbook, instructors guide, blueprints, and DVD that contain the latest information on concrete reinforcing materials, tools, and techniques. Limited to Ironworker Instructor Training program participants.

Course Credit Hours

Variable hours: No

Credits: 1.5

The following Lecture Hour fields are not divisible by 15: Student Min ,Instructor Min

Lecture Hours: Instructor: 22.5 Student: 22.5

Lab: Instructor: 0 Student: 0

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 22.5 Student: 22.5

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

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

General Education

Degree Attributes

Below College Level Pre-Reqs

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Set up and demonstrate concrete reinforcing elements and procedures.

Assessment 1

Assessment Tool: Survey of Ironworker training coordinators/supervisors.

Assessment Date: Fall 2012

Assessment Cycle: Every Two Years

Course section(s)/other population: All

Number students to be assessed: Random sampling of 50% of all students teaching related topics the subsequent year.

How the assessment will be scored: The student's training activities at the home local will be scored and evaluated on a survey questionnaire covering the learning outcomes.

Standard of success to be used for this assessment: Based on the number of students who teach the related material in the subsequent year, 75% will score an average of satisfactory or better.

Who will score and analyze the data: The UA Program Administrator will coordinate the collection of data with the Ironworker Training Department and will discuss the results with the Ironworker Training Department and IWT faculty.

2. Deliver related safety and concrete reinforcing lecture material.

Assessment 1

Assessment Tool: Survey of Ironworker training coordinators/supervisors.

Assessment Date: Fall 2012

Assessment Cycle: Every Two Years

Course section(s)/other population: All

Number students to be assessed: Random sampling of 50% of all students teaching related topics the subsequent year.

How the assessment will be scored: The student's training activities at the home local will be scored and evaluated on a survey questionnaire covering the learning outcomes.

Standard of success to be used for this assessment: Based on the number of students who teach the related material in the subsequent year, 75% will score an average of satisfactory or better.

Who will score and analyze the data: The UA Program Administrator will coordinate the collection of data with the Ironworker Training Department and will discuss the results with the Ironworker Training Department and IWT faculty.

3. Effectively use the Ironworker and vendor training materials.

Assessment 1

Assessment Tool: Survey of Ironworker training coordinators/supervisors.

Assessment Date: Fall 2012

Assessment Cycle: Every Two Years

Course section(s)/other population: All

Number students to be assessed: Random sampling of 50% of all students teaching related topics the subsequent year.

How the assessment will be scored: The student's training activities at the home local will be scored and evaluated on a survey questionnaire covering the learning outcomes.

Standard of success to be used for this assessment: Based on the number of students who teach the related material in the subsequent year, 75% will score an average of satisfactory or better.

Who will score and analyze the data: The UA Program Administrator will

coordinate the collection of data with the Ironworker Training Department and will discuss the results with the Ironworker Training Department and IWT faculty.

Course Objectives

1. Set up and demonstrate concrete reinforcing techniques and systems

Methods of Evaluation
Matched Outcomes

2. Demonstrate the use of concrete reinforcing tools

Methods of Evaluation
Matched Outcomes

3. Demonstrate the application of blue prints to concrete reinforcing systems

Methods of Evaluation
Matched Outcomes

4. Identify safety precautions and regulations that apply to reinforcing concrete processes

Methods of Evaluation
Matched Outcomes

5. Describe the components and tools used in concrete reinforcement

Methods of Evaluation
Matched Outcomes

6. Explain the application of blueprints to concrete reinforcement processes

Methods of Evaluation
Matched Outcomes

7. Explain the integration of the reference manual, student workbook, instructors guide, blueprints, and DVD in the National Fund's Reinforcing Concrete for Ironworkers training package

Methods of Evaluation
Matched Outcomes

8. Apply vendor training materials and concepts

Methods of Evaluation
Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom

Reviewer

Faculty Preparer:

Department Chair/Area Director:
Daniel Welch

Dean: *Daniel Welch*

Vice President for Instruction: *Stuart
Blacklaw*

Action

Faculty Preparer

Recommend Approval

Request Conditional Approval

Conditional Approval

Date

*May 05,
2011*

*May 05,
2011*

*May 05,
2011*

*May 06,
2011*