

Washtenaw Community College Comprehensive Report

UAT 250 Advanced Applied Drawing Effective Term: Spring/Summer 2014

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 250

Org Number: 28200

Full Course Title: Advanced Applied Drawing

Transcript Title: Advanced Applied Drawing

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Web Page

Reason for Submission: Three Year Review / Assessment Report

Change Information:

Credit hours

Total Contact Hours

Outcomes/Assessment

Objectives/Evaluation

Rationale: Course update

Proposed Start Semester: Spring/Summer 2014

Course Description: In this course, students will learn about methods of teaching advanced plan reading and related drawing. Topics of instruction to be covered include: principles of drawing, proper drawing techniques, sleeve and piping sketches, coordinated drawing, deck layout and piping systems design. Limited to United Association program participants.

Course Credit Hours

Variable hours: No

Credits: 1

Lecture Hours: Instructor: 15 Student: 15

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

Lab: Instructor: 5 Student: 5

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 20 Student: 20

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. Demonstrate teaching practicum on the central concepts of advanced applied drawing utilizing UA approved materials.

Assessment 1

Assessment Tool: Presentation

Assessment Date: Spring/Summer 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skill checklist with rubric

Standard of success to be used for this assessment: 75% of students will score 75% or above.

Who will score and analyze the data: Departmental faculty

2. Demonstrate methods of teaching on the proper maintenance and repair procedures related to teaching advanced applied drawing.

Assessment 1

Assessment Tool: Skill Assessment

Assessment Date: Spring/Summer 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Performance parameters with rubric

Standard of success to be used for this assessment: 75% of students will score 75% or above.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Identify the need for and the methods used to instruct apprentices how to construct a sleeve drawing and deck layout.

Matched Outcomes

2. Develop strategies to explain the importance of advanced plan reading and related drawing.

Matched Outcomes

3. Develop concepts and strategies needed to teach apprentices about isometric drawing and its uses.

Matched Outcomes

4. Explain concepts, methods, and steps used in the construction of a coordinated drawing and piping systems design.

Matched Outcomes

5. Demonstrate appropriate use of course materials.

Matched Outcomes

6. Identify problems with drawings used in a lesson and develop teaching methods to solve these problems.

Matched Outcomes

7. Develop concepts and strategies needed to teach apprentices how to review sample submittal data, job specifications and other drawings to lead construction of a coordinated drawing.

Matched Outcomes

8. Develop lessons and techniques for teaching how to create drawings.

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks

International Pipe Trades Joint Training Committee. *Advanced Plan Reading & Related Drawing*, ed. International Pipe Trades Joint Training Committee, 2001

Manuals

Periodicals

Software

Equipment / Facilities

Level I classroom

Data projector/computer

Reviewer

Action

Date

Faculty Preparer:

Amanda Scheffler

Faculty Preparer

Jun 27, 2013

Department Chair / Area Director:

Scott Klapper

Recommend Approval

Feb 03, 2014

Dean:

Marilyn Donham

Recommend Approval

Feb 05, 2014

Vice President for Instruction:

Bill Abernethy

Approve

Mar 31, 2014