

# Washtenaw Community College Comprehensive Report

## FMA 190 Introduction to Mechanical, Plumbing and Electrical Conditional Approval Effective Term: Fall 2014

### Course Cover

**Division:** Advanced Technologies and Public Service Careers

**Department:** Construction Institute

**Discipline:** Facility Management

**Course Number:** 190

**Org Number:** 14725

**Full Course Title:** Introduction to Mechanical, Plumbing and Electrical

**Transcript Title:** Intro Mech, Plumb & Electrical

**Is Consultation with other department(s) required:** No

**Publish in the Following:** College Catalog , Time Schedule , Web Page

**Reason for Submission:** New Course

**Change Information:**

**Rationale:** Creating course for new Facility and Energy Management program.

**Proposed Start Semester:** Fall 2014

**Course Description:** In this course, students are introduced to the mechanical, electrical and plumbing systems used in light industrial, commercial and multi-family buildings. Issues of history, ideology and sustainability will be discussed as it pertains to the management of facilities with mixed systems and the way these systems interact with building design.

### Course Credit Hours

**Variable hours:** No

**Credits:** 3

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

**Lab: Instructor:** 15 **Student:** 15

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

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

**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

Level 3

### Requisites

**Prerequisite**

FMA 150 minimum grade "C"

### General Education

### Request Course Transfer

**Proposed For:**

## Student Learning Outcomes

1. To be determined.

### **Assessment 1**

**Assessment Tool:** TBD

**Assessment Date:** Fall 2017

**Assessment Cycle:** Every Three Years

**Course section(s)/other population:** TBD

**Number students to be assessed:** TBD

**How the assessment will be scored:** TBD

**Standard of success to be used for this assessment:** TBD

**Who will score and analyze the data:** TBD

## Course Objectives

1. To be determined

### **Matched Outcomes**

## New Resources for Course

### Course Textbooks/Resources

Textbooks

Manuals

Periodicals

Software

### Equipment/Facilities

### Reviewer

#### **Faculty Preparer:**

*Cristy Lindemann*

#### **Department Chair/Area Director:**

*Cristy Lindemann*

#### **Dean:**

*Marilyn Donham*

#### **Vice President for Instruction:**

*Bill Abernethy*

### Action

*Faculty Preparer*

*Recommend Approval*

*Recommend Approval*

*Conditional Approval*

### Date

*Mar 06, 2014*

*Mar 06, 2014*

*Mar 19, 2014*

*Mar 27, 2014*