

# Washtenaw Community College Comprehensive Report

## EGT 175 Engineering Design Technology Material Processing Conditional Approval Effective Term: Fall 2014

### Course Cover

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

**Department:** Construction Institute

**Discipline:** Engineering Technology

**Course Number:** 175

**Org Number:** 14725

**Full Course Title:** Engineering Design Technology Material Processing

**Transcript Title:** Eng. Design Tech. Mat. Process

**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:** New certificate

**Proposed Start Semester:** Fall 2017

**Course Description:** In this course, students will apply the principles of basic sciences and engineering to understanding the behavior of materials, their development and applications and to show an understanding of material processing technology for the manufacture of products. Students will also have an understanding of the processing factors that influence selection in design.

### Course Credit Hours

**Variable hours:** No

**Credits:** 3

**Lecture Hours: Instructor: 30 Student: 30**

**Lab: Instructor: 30 Student: 30**

**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**

EGT 150 minimum grade "C"; may enroll concurrently

### General Education

### Request Course Transfer

**Proposed For:**

Central Michigan University  
 College for Creative Studies  
 Eastern Michigan University  
 Ferris State University  
 Grand Valley State University  
 Kendall School of Design (Ferris)  
 Lawrence Tech  
 Michigan State University  
 Oakland University  
 University of Michigan  
 Wayne State University  
 Western Michigan University

**Student Learning Outcomes**

1. Requesting Conditional Approval

**Assessment 1****Assessment Tool:** Requesting Conditional Approval**Assessment Date:** Fall 2017**Assessment Cycle:** Every Three Years**Course section(s)/other population:** All**Number students to be assessed:** All**How the assessment will be scored:** Rubric**Standard of success to be used for this assessment:** 75 % will score 75% or higher**Who will score and analyze the data:** Faculty**Course Objectives**

1. Requesting Conditional Approval

**Matched Outcomes**

1. Requesting Conditional Approval

**New Resources for Course****Course Textbooks/Resources**

Textbooks  
 Manuals  
 Periodicals  
 Software

**Equipment/Facilities****Reviewer****Action****Date****Faculty Preparer:***Cristy Lindemann**Faculty Preparer**Mar 05, 2014***Department Chair/Area Director:***Cristy Lindemann**Recommend Approval**Mar 05, 2014***Dean:***Marilyn Donham**Recommend Approval**Mar 19, 2014***Vice President for Instruction:***Bill Abernethy**Conditional Approval**Mar 20, 2014*