

Washtenaw Community College Comprehensive Report

EGT 150 Engineering Design Technology Material Science Conditional Approval Effective Term: Fall 2014

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: Construction Institute

Discipline: Engineering Technology

Course Number: 150

Org Number: 14725

Full Course Title: Engineering Design Technology Material Science

Transcript Title: Eng. Design Tech. Mat. Science

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: Needed for new certificate

Proposed Start Semester: Fall 2014

Course Description: In this course, students will be introduced to the structures and properties of metals, ceramics, polymers, wood, composites, and electronic materials. Students will also gain an understanding of the processing and design limitations of materials. Topics fundamental to the further study of material procurement, testing and failure will be emphasized as a foundation to engineering design technologies.

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

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

Faculty Preparer:

Cristy Lindemann

Action

Faculty Preparer

Date

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