

## COURSE MODIFICATION PROPOSAL

College: [ **Engineering and Computer Science** ] Department: [ **Manufacturing Systems Engineering & Management** ]

### 1. Current Catalog Entry Information:

Subject Abbreviation and Number: [ **MSE 227L** ]

Course Title: [ **Engineering Materials Lab** ]

Units: [ **1** ] units

General Education Section [ ] (if applicable)

### 2. Date of Proposed Implementation: (Semester/Year): [ **Fall** ] / [ **2016** ] *Comments*

### 3. Course Level:

Undergraduate Only     Graduate Only     Graduate/Undergraduate

### 4. Nature of Request:

Delete Course (*Note: Record of course will remain in inactive course file*)

Change unit value from [ ] units to [ ] units

Change course type (classification) such as lecture-discussion, laboratory, activity, etc.:

**From:** [ ] units @ [ ] [ ] to [ ] units @ [ ] [ ]

**From:** [ ] units @ [ ] [ ] to [ ] units @ [ ] [ ]

Change course title to: [ ]

Change course abbreviation “Short title” (Maximum of 17 characters and spaces) to

NEW Short Title: [ . . . . . ]

Change current catalog course description (*Attach current and proposed catalog course description*)

**Notes:** If grading is NC/CR only, please state in course description. If a course numbered less than 500 is available for graduate credit, please state “Available for graduate credit in the catalog description.”

Change subject abbreviation number to: (*Example: HSCI 100 to PT 105*) [ ]

Change requisites (*Prerequisites, Corequisites, Preparatory, Recommended Corequisites*)

**From:** [ **Prerequisite: MATH 150A. Preparatory: CHEM 101/L; PHYS 220A/L; MSE 227.** ]

**To:** [ **Prerequisites: MATH 150A, CHEM 101/L, PHYS 220A/L. Corequisite: MSE 227.** ]

Change Current Basis of Grading

**From:**  Credit/No Credit Only     Letter Grade Only     CR/NC or Letter Grade

**To:**  Credit/No Credit Only     Letter Grade Only     CR/NC or Letter Grade

- Add course to GE Section [       ]
- Remove course from GE Section [       ]
- Change course from GE section [       ] to GE section [       ]
- Change course to a Community Service Learning course (CS)
- Allow multiple enrollments within a semester.
- Change number of times this course may be taken:  
     May be taken for credit for a total of [1] times, or for a maximum of [1] units
- Multiple enrollments are allowed within a semester
- Crosslist this course with [       ]
- Other: [       ]

**5. Justification and Clarification of Request** *(Attach)*

**6. Estimated Impact on Resources within the Department, for other Departments and the University.***(Attach)*

*(See Resource List)*

**7. Impact on other Departments’ programs** *(Attach)*

**8. Indicate which of the Program’s Measurable Student Learning Outcomes are addressed in this course.** *(Attach)*

*(see Course Alignment Matrix and the Course Objectives Chart)*

**9. If this is a General Education course, indicate how the General Education Measurable Student Learning Outcomes (from the appropriate section) are addressed in this course.** *(Attach)*

**10. Methods of Assessment for Measurable Student Learning Outcomes** *(Attach)*

- A. Assessment tools
- B. Describe the procedure dept/program will use to ensure the faculty teaching the course will be involved in the assessment process (refer to the university’s policy on assessment.)

**11. Record of Consultation:** *(Normally all consultation should be with a department chair or program coordinator.) If more space is needed attach statement and supporting memoranda.*

Date:	Dept/College:	Department Chair/Program Coordinator	Concur (Y/N)
[ 2/6/2015 ]	[ CECM/CECS ]	[ N. Dermendjian ]	[ Y ]
[ 2/6/2015 ]	[ CS/CECS ]	[ R. Covington ]	[ Y ]
[ 2/6/2015 ]	[ ECE/CECS ]	[ A. Amini ]	[ Y ]
[ 2/6/2015 ]	[ ME/CECS ]	[ H. Johari ]	[ Y ]
[ 2/6/2015 ]	[ MSEM/CECS ]	[ K. Chang ]	[ Y ]
[       ]	[       ]	[       ]	[ IP ]

Consultation with the Oviatt Library is **recommended** for course modifications to ensure the availability of appropriate resources to support proposed course curriculum.

**Collection Development Coordinator, Mary Woodley**

**Please send an email to:** collection.development@csun.edu

**Date**

[       ]

## 12. Approvals:

Department Chair/Program Coordinator:	Date: [ 2/6/2015 ]
College (Dean or Associate Dean):	Date: [ 3/25/2015 ]
Educational Policies Committee:	Date: [       ]
Graduate Studies Committee:	Date: [       ]
Provost:	Date: [       ]

## 5. Justification and Clarification of the Request

It is essential for engineering students to take CHEM 101/L and PHYS 220A/L before taking MSE 227L. It was found that students who didn't take CHEM 101/L and PHYS 220A/L before taking MSE 227L had a much higher possibility of course failure than students who had completed those courses. Therefore it is necessary to change CHEM 101/L and PHYS 220A/L from preparatory to prerequisite. Also, MSE 227 is being listed as a corequisite, since it is not intended that a student can take the lab prior to being enrolled in the lecture.

### Existing Course Description

#### **MSE 227L. Engineering Materials Lab (1)**

Prerequisite: MATH 150A. Preparatory: CHEM 101/L, PHYS 220A/L, MSE 227. Introductory lab course in engineering materials and their properties. Includes experiments in mechanical properties, heat treatment, metallography, corrosion properties and X-ray diffraction. Course culminates in a special project in which students identify, design and perform an experiment of their choosing. One 3-hour lab per week.

### Proposed Course Description

#### **MSE 227L. Engineering Materials Lab (1)**

Prerequisite: MATH 150A, CHEM 101/L, PHYS 220A/L. Corequisite: MSE 227. Introductory lab course in engineering materials and their properties. Includes experiments in mechanical properties, heat treatment, metallography, corrosion properties and X-ray diffraction. Course culminates in a special project in which students identify, design and perform an experiment of their choosing. One 3-hour lab per week.

## 6. Estimated Impact on Resources

There is no impact, because the change will only affect the timing of when these courses are taken.

## 7. Impact on other Departments

There is no impact, because the change will only affect the timing of when these courses are taken.