

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]
[9/2/2015]	[CHEM & PHYS/CSM]	[E. Kelson & S.P. Lim]	[Y]

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.