

**COURSE MODIFICATION PROPOSAL**

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

**1. Current Catalog Entry Information:**

Subject Abbreviation and Number: [ **MSE 362** ]  
Course Title: [ **Engineering Statistical Applications** ]  
Units: [ **3** ] 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:** [ **Prerequisites: CE 240; MATH 250.** ]

**To:** [ **Prerequisite: MATH 250.** ]

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 ]
[        ]	[        ]	[        ]	[ N ]

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

Date

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

[       ]

## 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

MSE 362 is a required course for students in the Engineering Management (EM) program, but CE 240 is an elective course. Therefore EM students often have to request a permission number to enroll in MSE 362, which creates a burden for the MSEM department office. Since the major content of CE 240 (Engineering Statics) is the analysis of the distribution of forces on and within bodies in static equilibrium, and a limited introduction to the subject of strength of materials, there is no direct content relationship between CE 240 and MSE 362. Therefore CE 240 should be removed from the prerequisite.

### Existing Course Description

#### **MSE 362. Engineering Statistical Applications (3)**

Prerequisites: CE 240; MATH 250. Development and application of probabilistic and statistical methods for selected classes of engineering design and analysis problems. Applications to product and structural design, engineering experiments and processes, and the reliability of engineering systems.

### Proposed Course Description

#### **MSE 362. Engineering Statistical Applications (3)**

Prerequisite: MATH 250. Development and application of probabilistic and statistical methods for selected classes of engineering design and analysis problems. Applications to product and structural design, engineering experiments and processes, and the reliability of engineering systems.

## 6. Estimated Impact on Resources within the Department, for other Departments and the University.

Only the prerequisite will be changed, no additional resources are required. Therefore there will be no impact on resources with the department, for other departments and the university.

## 7. Impact on other Departments' programs

The prerequisite of CE240 will be removed from MSE 362, which only affects undergraduate students within the MSEM department. Therefore there will be no impact on other departments' programs.