

COURSE MODIFICATION PROPOSAL

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

1. Current Catalog Entry Information:

Subject Abbreviation and Number: [**MSE 406**]

Course Title: [**Engineering Cost Analysis**]

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: [**Recommended Preparatory: MSE 304, MSE 362.**]

To: [**Prerequisites: MSE 304, MSE 362.**]

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

The content of MSE 304 includes the systematic evaluation of the economic benefits and costs of engineering projects, while MSE 362 contains the development and application of probabilistic and statistical methods for selected classes of engineering design and analysis problems. Knowledge of these subjects is important for developing an understanding of engineering cost analysis. Therefore it is essential to change MSE 304 and 362 from recommended preparatory courses to prerequisites.

Existing Course Description

MSE 406. Engineering Cost Analysis (3)

Recommended Preparatory: MSE 304, MSE 362. Principles of cost analysis and estimating for the evaluation of engineering design and production, with emphasis on evaluating innovations and inventions. Case studies and practical application experiences. Available for graduate credit.

Proposed Course Description

MSE 406. Engineering Cost Analysis (3)

Prerequisites: MSE 304, MSE 362. Principles of cost analysis and estimating for the evaluation of engineering design and production, with emphasis on evaluating innovations and inventions. Case studies and practical application experiences. Available for graduate credit.

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

Only the prerequisites will be changed, which will only affect the timing of when these courses are taken. Therefore there will be no impact on resources with the department, for other departments and the university.

7. Impact on other Departments' programs

MSE 304 and MSE 362 will be changed from recommended preparatory to prerequisite for MSE 406, which only affects the undergraduate students within the MSEM department. Therefore there will be no impact on other departments' programs.