ME 170: Mechanical Engineering Capstone Design

Course Title: Mechanical Engineering Capstone Design
Abbreviated Course Title: Capstone Design
Course Subject: ME
Course Number: 170
School Submitting Request: Engineering
Division: Upper Division
Effective Term: Summer 2009
Discontinuance Term: ----
Lower Unit Limit: 4
Upper Unit Limit: 
Prerequisites: ME 120, ENGR 135, ME 137, Senior Standing
Prerequisites with a Concurrent Option: 
Corequisites: 
Major Restrictions: Senior Standing
Class Level Restrictions: 

Course Description: Design project will be selected and approved; project feasibility study and outline of the design project will be completed; design methodology, optimization, product reliability and liability, economics, use of ASME codes. A final presentation is given at the end of the semester.

TIE Code: T: Lecture plus Supplementary Activity
Reasons for Request: Pre-requisite Change
Brief Explanation of Change(s): Changing the prerequisites from ME 137 and Senior standing only to ME 120, ENGR 135, ME 137, Senior Standing
Lecture: 2 contact, 0 non-contact
Lab: 6 contact, 4 non-contact
Seminar: 0 contact, 0 non-contact
Discussion: 0 contact, 0 non-contact
Tutorial: 0 contact, 0 non-contact
Field: 0 contact, 0 non-contact
Studio: 0 contact, 0 non-contact

Total Contact/Non-contact Hours Per Week: 12
Grading Options: Letter Grade Only
In Progress Grading: 
Maximum Enrollment: 375
Maximum Enrollment Reason: ----
Cross-listing: 
Conjoined: 
Cross-listed Schools: ----
Can this course be repeated?  No

How many times?

Resource Requirements  1 TA per 15 students, Mechatronics lab

Does this satisfy a General Education Requirement?  No

Course Outline and/or Additional Documentation  [Link] No course outline statement.pdf (2Kb)