PURDUE UNIVERSITY
REQUEST FOR ADDITION, DELETION,
OR REVISION OF A COURSE

DEPARTMENT: MECHANICAL ENGINEERING

DATE SUBMITTED: 11/08/01
DATE EFFECTIVE: FALL 2002

PURPOSE:

1. Deletion of a course
2. New course with supporting documents
3. Add existing course offered at another campus
4. Change in course number at same level
5. Downgrading of course level
6. Upgrading of course level
7. Change in course title
8. Change in semesters offered
9. Change in course credit/type
10. Change in course attributes
11. Change in instructional hours
12. Change in prerequisites
13. Change in description of course content
14. Transfer of course from one dept. to another

EXISTING:

Subject Abbreviation: ME
Course Number: 640
Proposed Title: STRUCTURAL ACOUSTICS
Abbreviated Title: No

PROPOSED:

Semesters Offered:
- Check All That Apply:
  - Summer
  - Fall
  - Winter
  - Spring

COURSE ATTRIBUTES:
- Check All That Apply:
  - Pass/Not Pass Only
  - Repeatable for Credit
  - Available for Credit by Examination
  - Designator Required
  - Special Fees
  - Approval Required for Enrollment

CROSS LISTED COURSES:

CREDIT TYPE:
1. Fixed Credit: Cr. Hrs. 3
2. Variable Credit Range: Minimum Cr. Hrs. (Check One) To Or Maximum Cr. Hrs.
3. Equivalent Credit: Yes No
4. Thesis Credit: Yes No

INSTRUCTIONAL HOURS:
- Primary
- Secondary
- Laboratory
- Lab. Prep.

COURSES DESCRIPTION (PREREQUISITES INCLUDED):

ME 640 STRUCTURAL ACOUSTICS
Sem. 1, Course 3, Cr. 3 (Offered in Alternate Years)
Prerequisites: ME 513 and ME 532 or equivalent or consent of instructor.
Waves in fluids and structures, dispersion relations, sound radiation from structures, radiation efficiency, radiation from concentrated forces, effect of fluid loading on wave propagation, transmission of sound through barriers, effect of panel lining, enclosures, acoustically induced vibration of structures, numerical calculation of fluid-structure interaction. Professor Bolton.

APPROVED 4/18/02
Date Approved by Graduate Council

Office of the Registrar