

DEPARTMENT MECHANICAL ENGINEERING

DATE SUBMITTED 11/08/01

DATE EFFECTIVE FALL 2002

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

PURPOSE

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

EXISTING:

PROPOSED:

SEMESTERS OFFERED

Subject Abbreviation _____ Subject Abbreviation ME
Course Number _____ Course Number 640

Check All That Apply.

Summer Fall Ag Winter Spring

Proposed Title STRUCTURAL ACOUSTICS
Variable Title Yes No

Abbreviated Title _____
Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

CROSS LISTED COURSES

CREDIT TYPE

COURSE ATTRIBUTES: Check All That Apply.

- Fixed Credit: Cr. Hrs. 3
- Variable Credit Range:
Minimum Cr. Hrs. _____
(Check One) To Or
Maximum Cr. Hrs. _____
- Equivalent Credit: Yes No
- Thesis Credit: Yes No

- Pass/Not Pass Only
- Repeatable for Credit
- Available for Credit by Examination
- Designator Required
- Special Fees
- Approval Required for Enrollment
Department _____
Instructor _____

Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE
Primary	<u>3</u>		Auto-tutorial			Thesis		
Secondary			Ind. Study			Observation		
Laboratory			Clinic			Matis Based		
Lab. Prep.			Experiential					

CAMPUS(ES) INVOLVED
Calumet
Fort Wayne
Indianapolis
North Central
West Lafayette
Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

ME 640 STRUCTURAL ACOUSTICS
Sem. 1, Class 3, Cr. 3 (Offered in Alternate Years)
Prerequisite: ME 513 and ME 563 (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.

Calumet Undergrad Curriculum Committee	Date	Calumet Department Head	Date	Calumet School Dean	Date
Fort Wayne Department Head	Date	Fort Wayne School Dean	Date	Fort Wayne Chancellor <i>C.D. Sutton</i>	Date
Indianapolis Department Head	Date	Indianapolis School Dean	Date	Appr. for Faculty C.D. Sutton, Chair	#958 1/25/02
North Central Department Head	Date	North Central Vice Chancellor	Date	Undergrad Curriculum Committee	Date
West Lafayette Department Head	Date	West Lafayette School Dean	Date	APPROVED 4/18/02	
Graduate Area Committee Convener	Date	Graduate Dean	Date	Date Approved by Graduate Council	
<i>E. Dan Hovileman</i>	<i>11/13/01</i>	<i>W. J. Huggins</i>	<i>2/8/02</i>	<i>Marjorie D. Heintz</i>	<i>5/15/02</i>
<i>R. Ble</i>	<i>4/18/02</i>			Graduate Council Secretary	Date
				<i>Debra Shultz</i>	<i>6/3/02</i>
				West Lafayette Registrar	Date

