

DEPARTMENT Mechanical Engineering - E30

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: Subject Abbreviation _____ Course Number _____	PROPOSED: Subject Abbreviation <u>ME</u> Course Number <u>625</u>	SEMESTERS OFFERED Check All That Apply. Summer <input type="checkbox"/> Fall <input checked="" type="checkbox"/> Ag Winter <input type="checkbox"/> Spring <input type="checkbox"/>
Proposed Title <u>ADVANCED COMBUSTION</u>		
Variable Title Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Abbreviated Title _____ Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)		

CROSS LISTED COURSES _____ _____ _____	CREDIT TYPE 1. Fixed Credit: Cr. Hrs. <u>3</u> 2. Variable Credit Range: Minimum Cr. Hrs _____ (Check One) To <input type="checkbox"/> Or <input type="checkbox"/> Maximum Cr. Hrs _____ 3. Equivalent Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 4. Thesis Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	COURSE ATTRIBUTES: Check All That Apply. 1. Pass/Not Pass Only <input type="checkbox"/> 2. Repeatable for Credit <input type="checkbox"/> 3. Available for Credit by Examination <input type="checkbox"/> 4. Designator Required <input type="checkbox"/> 5. Special Fees <input type="checkbox"/> 6. Approval Required for Enrollment Department _____ Instructor _____
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Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE	CAMPUS(ES) INVOLVED
Primary	<u>3</u>		Auto-tutorial			Thesis			<input type="checkbox"/>
Secondary			Ind. Study			Observation			<input type="checkbox"/>
Laboratory			Clinic			Matis Based			<input type="checkbox"/>
Lab. Prep.			Experiential						<input checked="" type="checkbox"/>
									Off Campus <input type="checkbox"/>

COURSE DESCRIPTION (PREREQUISITES INCLUDED):
ME 625 ADVANCED COMBUSTION
Sem. 1. Class 3, Cr. 3 (Offered in Alternate Years)
Prerequisite: ME 525 or consent of instructor.
Coupling of the energy, species, and mass conservation equations with the momentum equation. Statistical treatment of turbulence and the problems of interactions of turbulence with chemistry, radiation, and two-phase flows. Critical study of at least ten seminal and recent contributions in the combustion literature. Professor Gore.
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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 <u>C.D. Sutton</u> Date <u>1/25/02</u> Appr. for Faculty #958 C.D. Sutton, Chair
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____	Undergrad Curriculum Committee _____ Date _____
North Central Department Head _____ Date _____	North Central Vice Chancellor _____ Date _____	APPROVED 4/18/02 Date Approved by Graduate Council _____
West Lafayette Department Head _____ Date _____	West Lafayette School Dean _____ Date _____	Graduate Council Secretary <u>Marilyn D. Heist</u> Date <u>5/15/02</u>
Graduate Area Committee Convener _____ Date _____	Graduate Dean _____ Date _____	West Lafayette Registrar <u>Debra Shute</u> Date <u>6/3/02</u>

