

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

SCHOOL DOCUMENT NO. 17-00

GRADUATE COUNCIL DOCUMENT NO. 00-20c

Fall 2001

Spf 2001

DEPARTMENT Mechanical Engineering

DATE SUBMITTED 11/7/00

DATE EFFECTIVE Spf 2001

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:

Subject Abbreviation _____ Subject Abbreviation ME
Course Number _____ Course Number 518

Proposed Title Analysis of Thermal Systems
Variable Title Yes No

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

SEMESTERS OFFERED

Check All That Apply.

Summer Fall Ag Winter Spring

CROSS LISTED COURSES

CREDIT TYPE

- 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

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
- 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			Mats Based		
Lab. Prep.			Experiential					

CAMPUS(ES) INVOLVED

- Calumet
Fort Wayne
Indianapolis
North Central
West Lafayette
Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

ME 518 Analysis of Thermal Systems Sem. 1. Class 3, cr. 3. (Offered in alternate years.) Prerequisites: ~~ME 300 and 315~~ ME 300 and 315. Modeling and optimization of thermal systems with a focus on heat-pumping equipment, such as vapor compression, absorption, and some advanced heat-pumping cycles. Students combine the use of thermodynamics, heat transfer, fluid mechanics, and numerical methods to develop and apply mathematical models for the analysis and optimization of specific equipment. Professors Braun and Groll.

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 _____ Date _____ Appr. for Faculty <u>C.D. Sutton</u> #935 C.D. Sutton, Chair 11/8/00
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____	Undergrad Curriculum Committee _____ Date _____
North Central Department Head _____ Date _____	North Central Vice Chancellor _____ Date _____	APPROVED 4/19/01 Date Approved by Graduate Council _____
West Lafayette Department Head <u>E. Daniel Horleman</u> 11/7/00 _____ Date _____	West Lafayette School Dean <u>Z. D. Huggins</u> 2/14/01 _____ Date _____	Graduate Council Secretary <u>Marilyn D. Heist</u> 5/8/01 _____ Date _____
Graduate Area Committee Convener <u>Kathleen C. Howell</u> 4/19/01 _____ Date _____	Graduate Dean _____ Date _____	West Lafayette Registrar <u>Debra Sheets</u> 5/14/01 _____ Date _____

