

DEPARTMENT Materials Engineering

DATE SUBMITTED 3/28/03

DATE EFFECTIVE Fall 2003

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 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 MSE
 Course Number _____ Course Number 583
 Proposed Title Energy-Dispersive X-ray Microanalysis Skills
 Variable Title Yes No

Check All That Apply.
 Summer Fall Ag Winter Spring

Abbreviated Title EDS Skills

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

COURSE ATTRIBUTES: Check All That Apply.

1. Pass/Not Pass Only
 2. Repeatable for Credit
 3. Available for Credit by Examination
 4. Designator Required
 5. Special Fees
 6. Approval Required for Enrollment
 Department _____
 Instructor _____

Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE
Primary	3		Auto-tutorial			Thesis		
Secondary			Ind. Study			Observation		
Laboratory	3		Clinic			Mats Based		
Lab. Prep.			Experiential					

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

Offered as

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

Sem. 1. Class 3, lab 3, (weeks 11-15) cr. 1. ~~Available~~ pass/not-pass only. Prerequisites: MSE 581 and consent of instructor.

Theory of X-ray generation, components and operation of the energy dispersive X-ray spectrometer (EDS); limits to resolution; qualitative, semi-quantitative and fully quantitative analysis; interpretation of results. Laboratory sessions emphasize the practical operation of the instrument and culminate in a test of student skills.
2 and Professors King and Kvam.

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>Michael Dalton</u> #972 Apr. for Faculty M.D. Zoltowski, Chair 4/5/03
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____	Undergrad Curriculum Committee _____ Date _____
North Central Department Head _____ Date _____	North Central Vice Chancellor _____ Date _____	APPROVED 10/16/03 Date Approved by Graduate Council _____
West Lafayette Department Head _____ Date _____	West Lafayette School Dean _____ Date _____	Graduate Council Secretary <u>Marilyn D. Heist</u> 1/7/04
Graduate Area Committee Convener _____ Date <u>10.16.03</u>	Graduate Dean _____ Date _____	West Lafayette Registrar <u>Debra Sheets</u> 1/14/04

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JAN 20 2004
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ADMINISTRATION