

DEPARTMENT Biomedical Engineering

DATE SUBMITTED 11/17/04

DATE EFFECTIVE 8/1/05

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 ~~BME~~ Subject Abbreviation BME  
Course Number ~~595~~ Course Number 570

Check All That Apply.  
Summer  Fall  Ag Winter  Spring

Proposed Title Surface Science Techniques for Biomedical and Chemical Applications  
Variable Title Yes  No

Abbreviated Title Surf Sci Tchq Bio&Chm  
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.  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	CAMPUS(ES) INVOLVED
Primary	3.0		Auto-tutorial			Thesis			<input type="checkbox"/>
Secondary			Ind. Study			Observation			<input type="checkbox"/>
Laboratory			Clinic			Mats Based			<input type="checkbox"/>
Lab. Prep.			Experiential						<input checked="" type="checkbox"/>
									Calumet <input type="checkbox"/>
									Fort Wayne <input type="checkbox"/>
									Indianapolis <input type="checkbox"/>
									North Central <input type="checkbox"/>
									West Lafayette <input checked="" type="checkbox"/>
									Off Campus <input type="checkbox"/>

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

Prerequisites: senior or graduate standing in engineering or science.  
Review of fundamental aspects of common surface science techniques. ~~Course~~ presents an integrated view of these techniques and their application to biomedical and biochemical problems. Emphasis will be placed on the practical aspects of each technique. Professor Ivanisevic.

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
Indianapolis Department Head	Date	Indianapolis School Dean	Date	<i>Robert E. Thompson</i> 11/19/04 Undergrad Curriculum Committee	Date
North Central Department Head	Date	North Central Vice Chancellor	Date	APPROVED 2/17/05 Date Approved by Graduate Council	
<i>Debra K. Skuts</i> 11/17/04 West Lafayette Department Head	Date	<i>Leah H. Jamin</i> 11/28/04 West Lafayette School Dean	Date	<i>Marilyn D. Heist</i> 5/9/05 Graduate Council Secretary	Date
<i>Anneke A. Alau</i> 2/17/05 Graduate Area Committee Convener	Date	Graduate Dean	Date	<i>Debra K. Skuts</i> West Lafayette Registrar	Date

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