

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

SCHOOL DOCUMENT NO. 45-03

GRADUATE COUNCIL DOCUMENT NO. 04-38b  
Spring 2006

DEPARTMENT Biomedical Engineering

DATE SUBMITTED 4/19/04

DATE EFFECTIVE 1/6/05

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

**PURPOSE**

- |   |   |
|---|---|
| <input checked="" 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 ~~BME~~

Course Number ~~595~~

Proposed Title Biomaterials

Variable Title Yes ☐ No ☒

Abbreviated Title Biomaterials

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

**PROPOSED:**

Subject Abbreviation BME

Course Number 583

**SEMESTERS OFFERED**

Check All That Apply.

Summer ☐ Fall ☐ Ag Winter ☐ Spring ☒

**CROSS LISTED COURSES**

**CREDIT TYPE**

1. Fixed Credit: Cr. Hrs. 3
2. Variable Credit Range:  
Minimum Cr. Hrs  Or   
(Check One) To   
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  
Primary  
Secondary  
Laboratory  
Lab. Prep.

Class  
Hours  
3.0

FTE

Instructional  
Type  
Auto-tutorial  
Ind. Study  
Clinic  
Experiential

Class  
Hours

FTE

Instructional  
Type  
Thesis  
Observation  
Matis Based

Class  
Hours

FTE

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

**COURSE DESCRIPTION (PREREQUISITES INCLUDED):**

Admission by consent of instructor.

Prerequisites: Permission of the instructor required. (Offered in alternate years.)

Course discusses principles of biomaterial design, synthesis, and evaluation for various tissues/organs of the body, including orthopaedic/dental, cardiovascular, kidney, liver, lung, skin, nerve, and brain. Topics include fundamentals of materials science and engineering integrated into biology for the better regeneration of tissue. Professor Webster.

Discussion of

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> 1/20/05 Undergrad Curriculum Committee	Date
North Central Department Head	Date	North Central Vice Chancellor	Date	APPROVED 1/20/05	
<i>Greg R. Wodch</i> 8/20/04 West Lafayette Department Head	Date	<i>Leah A. J...</i> 10/22/04 West Lafayette School Dean	Date	<i>Marilyn D. Heist</i> 2/2/05 Graduate Council Secretary	Date
<i>Andrew D. Allen</i> 1/20/05 Graduate Area Committee Convener	Date	Graduate Dean	Date	<i>Debra K. Sheets</i> West Lafayette Registrar	Date

OFFICE OF THE REGISTRAR

MAR 04 2005

MAR 14 2005