

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

DEPARTMENT Biomedical Engineering

EFFECTIVE SESSION 1/04, EFD18-03

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

- | | | | |
|-------------------------------------|--|--------------------------|----------------------------------|
| <input checked="" type="checkbox"/> | 1. New course with supporting documents | <input type="checkbox"/> | 7. Change in course attributes |
| <input type="checkbox"/> | 2. Add existing course offered at another campus | <input type="checkbox"/> | 8. Change in instructional hours |
| <input type="checkbox"/> | 3. Expiration of a course | <input type="checkbox"/> | 9. Change in course description |
| <input type="checkbox"/> | 4. Change in course number | <input type="checkbox"/> | 10. Change in course requisites |
| <input type="checkbox"/> | 5. Change in course title | <input type="checkbox"/> | 11. Change in semesters offered |
| <input type="checkbox"/> | 6. Change in course credit/type | | |

PROPOSED:

Subject Abbreviation BME
Course Number 206

EXISTING:

Subject Abbreviation _____
Course Number _____

TERMS OFFERED
Check All That Apply:
Summer Fall Spring

Long Title Biomedical Engineering Laboratory II

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

CAMPUS(ES) INVOLVED
Calumet Fort Wayne
Indianapolis N. Central
W.Lafayette Cont Ed
Tech Statewide

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. Satisfactory/Unsatisfactory Only
3. Repeatable
Maximum repeatable credit: _____
4. Credit by Examination
5. Designator Required
6. Special Fees

7. Registration Approval Type
Department Instructor
8. Variable Title
9. Remedial
10. Honors
11. Full Time Privilege
12. Off Campus Experience

Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)
Lecture						
Recitation						
Presentation						Live
Laboratory	150	1	16			Live
Lab Prep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

COURSE DESCRIPTION (INCLUDE REQUISITES):

Sem. 2. Lab. 3, cr. 1., Prerequisite: ME 270, BME 205, or equivalent, Corequisite: BME 204, MSE 230
Provides hands-on training in engineering and biological principles of biomaterials and biomechanics. Biomaterials topics include crystal structure, deformation of materials, and materials defects. Biomechanics topics include rigid body equilibrium, gait analysis, finite element analysis, and loading/modeling of hard and viscoelastic biomaterials. Physiological systems addressed include the musculoskeletal system, nerves, spinal cord, and vascular tissue.

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 Thompson</i> 2/10/04 Undergrad Curriculum Committee	Date
North Central Department Head	Date	North Central Chancellor	Date	Date Approved by Graduate Council	
<i>Greg R. Wodrich</i> 2/6/04 West Lafayette Department Head	Date	<i>Leah J. ...</i> 2/5/04 West Lafayette School Dean	Date	Graduate Council Secretary	Date
Graduate Area Committee Convener	Date	Graduate Dean	Date	<i>Deb Sheets</i> 2/13/04 West Lafayette Registrar	Date

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RECEIVED
FEB 23 2004
ENGINEERING
ADMINISTRATION