

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

DEPARTMENT Biomedical Engineering

EFFECTIVE SESSION 1/04, EFD14-03

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 201

EXISTING:

Subject Abbreviation
Course Number

TERMS OFFERED
Check All That Apply:
Summer Fall Spring

Long Title Biomolecules: Structure, Function, and Engineering Applications

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		COURSE ATTRIBUTES: Check All That Apply.		7. Registration Approval Type	
1. Fixed Credit: Cr. Hrs.	3	1. Pass/Not Pass Only	<input type="checkbox"/>	Department	<input checked="" type="checkbox"/> Instructor
2. Variable Credit Range:		2. Satisfactory/Unsatisfactory Only	<input type="checkbox"/>	8. Variable Title	<input type="checkbox"/>
Minimum Cr. Hrs		3. Repeatable	<input type="checkbox"/>	9. Remedial	<input type="checkbox"/>
(Check One) To	Or	Maximum repeatable credit:		10. Honors	<input type="checkbox"/>
Maximum Cr. Hrs		4. Credit by Examination	<input type="checkbox"/>	11. Full Time Privilege	<input type="checkbox"/>
3. Equivalent Credit: Yes	No	5. Designator Required	<input type="checkbox"/>	12. Off Campus Experience	<input type="checkbox"/>
4. Thesis Credit: Yes	No	6. Special Fees	<input type="checkbox"/>		

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	50	3	16			Live
Recitation						
Presentation						
Laboratory						
Lab Prep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

COURSE DESCRIPTION (INCLUDE REQUISITES):

Sem. 1. Class 3, cr. 3. Prerequisite: CHM 116, CS 156, ENGR 106, and MA 166 or equivalencies;
Corequisite: BIOL 295E, BME 205. Classes of molecules (biomolecules) such as sugars, lipids, proteins, and nucleic acids that form the cellular components of living organisms. Explores the chemistry behind the structure and function of these important classes of biological molecules. Hydrogen-bonding, hydrophobic forces, electrostatic interactions along with other weak interactions discussed with reference to their importance in biomolecular systems in an engineering context.

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 Chertemey</i> 2/10/04	Date
North Central Department Head	Date	North Central Chancellor	Date	Undergrad Curriculum Committee	Date
<i>Greg R. Wodulka</i> 2/10/04	Date	<i>Leah J. Janni</i> 2/9/04	Date	Date Approved by Graduate Council	
West Lafayette Department Head	Date	West Lafayette School Dean	Date	Graduate Council Secretary	Date
Graduate Area Committee Convener	Date	Graduate Dean	Date	<i>Deb Shuck</i> 2/13/04	Date
				West Lafayette Registrar	Date

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ADMINISTRATION