**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:

- ✔ New course with supporting documents
- ✔ Add existing course offered at another campus
- ✔ Expiration of a course
- ✔ Change in course number
- ✔ Change in course title
- ✔ Change in course credit/type

**PROPOSED:**
- Subject Abbreviation: BME
- Course Number: 201
- 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)

**CREDIT TYPE**
1. Fixed Credit: Cr. Hrs. 3

**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

**TERMS OFFERED**
- Check All That Apply:
  - Summer
  - Fall
  - ✔ Spring

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

**INSTRUCTIONAL TYPE**
- Lecture: 50
- Meeting Per Week: 3
- Weeks Offered: 16
- % of Credit Allocated: 
- Delivery Method (Asyn. Or Syn.): Live
- Delivery Medium (Audio, Internet, Live, Text-Based, Video):

**COURSE DESCRIPTION (INCLUDE REQUISITES):**
Sem. 1, Class 3, cr. 3. Prerequisite: CHM 116, CS 156, ENGR 106, and MA 166 or equivalents; 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.

**SIGNED OFF**
- Calumet Undergrad Curriculum Committee  
  Date
- Calumet Department Head  
  Date
- Calumet School Dean  
  Date
- Fort Wayne Department Head  
  Date
- Fort Wayne School Dean  
  Date
- Indianapolis Department Head  
  Date
- Indianapolis School Dean  
  Date
- North Central Department Head  
  Date
- North Central Chancellor  
  Date
- North Central School Dean  
  Date
- West Lafayette Department Head  
  Date
- West Lafayette School Dean  
  Date
- West Lafayette Registrar  
  Date

**OFFICE OF THE REGISTRAR**