

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

DEPARTMENT Biomedical Engineering

EFFECTIVE SESSION 2/04, EFD24-03

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 306

Long Title Biotransport Laboratory

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

EXISTING:

Subject Abbreviation _____
Course Number _____

TERMS OFFERED
Check All That Apply:
Summer Fall Spring

CAMPUS(ES) INVOLVED

Calumet <input type="checkbox"/>	Fort Wayne <input type="checkbox"/>
Indianapolis <input type="checkbox"/>	N. Central <input type="checkbox"/>
W.Lafayette <input checked="" type="checkbox"/>	Cont Ed <input type="checkbox"/>
Tech Statewide <input type="checkbox"/>	

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

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	3	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 309 or equivalent, Corequisite: BME 304
Practical experience with fluid, mass, and heat transport principles and dimensional analysis relevant to biomedical applications. Experiments include simulations of normal and pathological conditions of blood flow with vessel constructs, mass transfer in unique boundary layers and molecular diffusion in cell and tissues, heat generation and transfer in biomaterials emphasizing tissue-tissue and tissue-cell interfaces.

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. Montgomery</i> 2/19/04	Date
North Central Department Head	Date	North Central Chancellor	Date	Undergrad Curriculum Committee	Date
<i>Greg W. Wolschke</i> 2/6/04	Date	<i>Wesley H. Jamieson</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 Sheets</i> 2/13/04	Date
				West Lafayette Registrar	Date

49-24-10000-2

