New Course Request

Indiana University

IUPUI Campus

Check Appropriate Boxes: Undergraduate credit [✓] Graduate credit [ ] Professional credit [ ]

1. School/Division School of Engineering and Technology
2. Academic Subject Code BME
3. Course Number 1498 (must be cleared with University Enrollment Services)
4. Instructor
5. Course Title Cooperative Enrichment Internship V
   Recommended Abbreviation (Optional) Career Enrich Intern V
   (Limited to 32 Characters including spaces)
6. First time this course is to be offered (Semester/Year): Summer 2007
7. Credit Hours: Fixed at ______ or Variable from ______ to ______
8. Is this course to be graded S-F (only)? Yes [✓] No [ ]
9. Is variable title approval being requested? Yes [ ] No [✓]
10. Course description (not to exceed 50 words) for Bulletin publication:
    P: Sophomore standing and program advisor approval. A semester or summer of external, full-time, related career experiences designed to enhance the student’s readiness for entering an initial or second career. A comprehensive written report on the practice is required.
11. Lecture Contact Hours: Fixed at ______ or Variable from ______ to ______
12. Non-Lecture Contact Hours: Fixed at ______ or Variable from ______ to ______
13. Estimated enrollment: ______ of which ______ percent are expected to be graduate students.
14. Frequency of scheduling: every semester
15. Will this course be required for majors? no
16. Justification for new course: Supports internship experiences for the new BME undergraduate major
17. Are the necessary reading materials currently available in the appropriate library? yes
18. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.
19. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant.

A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by: 

Elliott J. Burt 
Department Chairman/Division Director 

Date 1/23/07

Approved by: 

_________________________ Date ____________
Dean
_________________________ Date ____________
Chancellor/Vice-President
_________________________ Date ____________
University Enrollment Services

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.
**PURDUE UNIVERSITY**
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(100-400 LEVEL)

**DEPARTMENT**: Biomedical Engineering  
**EFFECTIVE SESSION**: Summer 2007

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

- [x] 1. New course with supporting documents
- [ ] 2. Add existing course offered at another campus
- [ ] 3. Expiration of a course
- [ ] 4. Change in course number
- [ ] 5. Change in course title
- [ ] 6. Change in course credit type
- [ ] 7. Change in course attributes (department head signature only)
- [ ] 8. Change in instructional hours
- [ ] 9. Change in course description
- [ ] 10. Change in course prerequisites
- [ ] 11. Change in semesters offered (department head signature only)
- [ ] 12. Transfer from one department to another

**PROPOSED**:
- Subject Abbreviation: BME  
- Course Number: I456
- Long Title: Cooperative Enrichment Internship V
- Short Title: Career Enrich Intern V

**EXISTING**:  
- Subject Abbreviation:  
- Course Number:  
- Long Title:  
- Short Title:  

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

**CREDIT TYPE**:

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<th>Instruction Type</th>
<th>Minutes Per Mtg</th>
<th>Meetings Per Week</th>
<th>Weeks Offered</th>
<th>% of Credit Allocated</th>
<th>Delivery Method (Asyn. Or Syn.)</th>
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**COURSE ATTRIBUTES**: Check All That Apply

- [x] 1. Pass/Not Pass Only
- [ ] 2. Satisfactory/Unsatisfactory Only
- [ ] 3. Repeatable
- [ ] 4. Credit by Examination
- [ ] 5. Designator Required
- [ ] 6. Special Fees
- [ ] 7. Registration Approval Type
- [x] 8. Variable Title
- [ ] 9. Remedial
- [ ] 10. Honors
- [ ] 11. Full Time Privilege
- [ ] 12. Off Campus Experience

**COURSE DESCRIPTION (INCLUDE REQUISITES)**:

P: Sophomore standing and program advisor approval. A semester or summer of external, full-time, related career experiences designed to enhance the student's readiness for entering an initial or a second career. A comprehensive written report on the internship experience is required.

**CAMPUS(ES) INVOLVED**:
- Calumet
- Cont Ed
- Ft. Wayne
- Tech Statewide
- Indianapolis

**OFFICE OF THE REGISTRAR**

[Signature and Date]
BME I198, I298, I398, I496, I498 Biomedical Engineering Internships

Course description:

A semester or summer of external, full-time, related career experiences designed to enhance the student's readiness for entering an initial or a second career. A comprehensive written report on the internship experience is required.

Prerequisites:

Appropriate class standing, and approval of program advisor

Instructional Goals:

The BME Internship courses allow BME undergraduates to participate in, and gain credit for, the Internship program in the School of Engineering and Technology. These experiences are intended to give students the opportunity to explore engineering practice through real-world industry experience. The Internship program as administered by the School of Engineering and Technology requires a minimum of 200 hours for a one-semester, one-credit internship experience. Students may pursue additional internship projects in subsequent semesters. With approval of the department chair, students who participate in three semesters of internship work in the same or related areas may apply those credits toward fulfilling a single technical elective on the BME undergraduate plan of study.

Required Textbook:

None

General Guidelines:

Students who take part in the internship program are eligible to apply those experiences toward degree credit in BME. The following guidelines outline the criteria that must be met in order to apply these credits toward satisfying a BME or technical elective.

- At least three credits must be earned.

- These three (or more) credits must form a cohesive experience. Three semesters of internship experiences at the same company would constitute a cohesive experience. Note that three one-hour internship projects at three different companies do not automatically fulfill the cohesiveness requirement.

- In order to ensure this cohesiveness requirement is satisfied, the student must have a faculty mentor overseeing the project or experience. Before the start of the
internship, the student and mentor must meet with the department chair to discuss the goals of the experience. A contract, signed by the student, will outline the requirements that must be met in order for the project to fulfill a technical elective.

- For internships lasting more than one semester, the student must provide a progress report to the faculty mentor or program director at the end of each semester. The mentor will determine the form of this report.

- Upon completion of the internship experience, the student will give a presentation to the BME Undergraduate Curriculum Committee. The presentation should highlight the student's accomplishments and demonstrate how the experience added depth or breadth to the student's understanding of Biomedical Engineering.

- Only one research project, co-op experience, or internship may satisfy a technical elective. A student may still earn course credit for additional experiences, but they cannot be applied to satisfy a second technical elective.

**Outcomes:**

Upon completion of the course, students should be able to:

Perform the laboratory or analytical techniques necessary for the internship project. [a,b,c,c,k]

Describe the purpose, methods, and outcomes of the internship project to an engineering audience. [g,h]

Articulate the depth of knowledge gained in a subdiscipline of Biomedical Engineering as a result of the internship experience. [g,h,j]