

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

SCHOOL DOCUMENT NO. EFD8-02

GRADUATE COUNCIL DOCUMENT NO. 03-8b

Fall 2004

DEPARTMENT School of Electrical and Computer Engineering

DATE SUBMITTED 3/26/2003

DATE EFFECTIVE Fall 2003e

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

PURPOSE

- | | | | |
|-------------------------------------|--|--------------------------|--|
| <input checked="" type="checkbox"/> | 1. Deletion of a course | <input type="checkbox"/> | 8. Change in semesters offered |
| <input type="checkbox"/> | 2. New course with supporting documents | <input type="checkbox"/> | 9. Change in course credit/type |
| <input type="checkbox"/> | 3. Add existing course offered at another campus | <input type="checkbox"/> | 10. Change in course attributes |
| <input type="checkbox"/> | 4. Change in course number at same level | <input type="checkbox"/> | 11. Change in instructional hours |
| <input type="checkbox"/> | 5. Downgrading of course level | <input type="checkbox"/> | 12. Change in prerequisites |
| <input type="checkbox"/> | 6. Upgrading of course level | <input type="checkbox"/> | 13. Change in description of course content |
| <input type="checkbox"/> | 7. Change in course title | <input type="checkbox"/> | 14. Transfer of course from one dept. to another |

EXISTING:

PROPOSED:

Subject Abbreviation _____ Subject Abbreviation ECE
 Course Number _____ Course Number 526
 Proposed Title Fundamentals of MEMS and Micro-Integrated Systems
 Variable Title Yes No
 Abbreviated Title _____
 Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

SEMESTERS OFFERED

Check All That Apply.
 Summer Fall Ag Winter Spring

*Offered in alternate years

CROSS LISTED COURSES

BME 581

CREDIT TYPE

1. Fixed Credit: Cr. Hrs. 3
 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. Repeatable for Credit
 3. Available for Credit by Examination
 4. Designator Required
 5. Special Fees
 6. Approval Required for Enrollment
 Department _____
 Instructor _____

| Instructional Type | Class Hours | FTE | Instructional Type | Class Hours | FTE | Instructional Type | Class Hours | FTE |
|--------------------|-------------|-----|--------------------|-------------|-----|--------------------|-------------|-----|
| Primary | 3 | | Auto-tutorial | | | Thesis | | |
| Secondary | | | Ind. Study | | | Observation | | |
| Laboratory | | | Clinic | | | Malls Based | | |
| Lab. Prep. | | | Experiential | | | | | |

CAMPUS(ES) INVOLVED

- Calumet
 Fort Wayne
 Indianapolis
 North Central
 West Lafayette
 Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED): (Offered in alternate years.)

Prerequisite: ~~Senior~~ Senior or graduate standing and consent of instructor.
 Key topics in micro-electro-mechanical systems (MEMS) and biological micro-integrated systems; properties of materials for MEMS; microelectronic process modules for design and fabrication. Students will prepare a project report on design of a biomedical MEMS-based micro-integrated system.

Professor Bashir.

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|--|------|-------------------------------|------|--|------|
| 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 Michael D. Zoltowski, Chair | Date |
| Indianapolis Department Head | Date | Indianapolis School Dean | Date | Undergrad Curriculum Committee | Date |
| North Central Department Head | Date | North Central Vice Chancellor | Date | APPROVED 10/16/03 | |
| West Lafayette Department Head | Date | West Lafayette School Dean | Date | Date Approved by Graduate Council | |
| Graduate Area Committee Convener | Date | Graduate Dean | Date | Graduate Council Secretary | Date |

Handwritten signatures and dates:
 03/29/03, 4/24/03, 10.16.03, 1/7/04, 1/14/04

