**Curriculum Proposal**

Please type or select the requested information. Print completed forms, add appropriate paper attachments, and route through MSU's curricular process for recommendations and decisions.

### College and Program Details

- **College:** Science, Engineering and Technology
- **Department:** Physics and Astronomy
- **Program:** Physics B.S.
- **Type of Change:** COURSE PROPOSALS
- **Proposed:** Course Withdrawal
- **Title Current:** Semiconductor device physics
- **Title Proposed:**
- **24-Char. Abbrev.:**

### Course Information

- **Course Designator:** Phys 467
- **Number of Credits:** 3

Include a course or program description for the Bulletin (30-40 words maximum for courses, 100 for programs):

Introduction to theory and techniques of integrated circuit fabrication processes. Oxidation, photolithography, etching, diffusion of impurities, ion implantation, epitaxy, metallization, material characterization techniques, and VLSI process integration, their design and simulation by SUPREM. Same as EE 475. Pre: PHYS 435 and 453 F

### Rationale or Justification for Change:

This course is never taught by the Physics Department, and will not be taught by Physics Department in the future.

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### For General Education or Cultural Diversity Courses Only

**General Education Course:**

- **GE Category #**
- **GE Category Name**

**Cultural Diversity Course:**

(Please check one.)

- Core (At least 75% devoted to topics of race, gender, sexual orientation, age, class, and disabilities as they occur in United States Society.)
- Related (At least 25% devoted to the above topics or to a global perspective on topics related to African American, Asian, Hispanic, and Native American inhabitants of the United States.)

Attach paper copies of the following:

- Syllabus or course outline.
- Course's student learning outcomes associated with each GE competency or CD designation.
- List of strategies to be used to assess students' achievement of each GE competency or CD designation.

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### For New Courses

- **Instructional Type:** Lecture
- **Grading Format:** Grade
- **Course will be offered:**
  - Fall Semester
  - Spring Semester
  - Summer Session

- Course content or title is similar to courses in other departments. (Attach copy of letter of agreement with other program(s) contacted. Indicate the nature of the discussions and/or resolution of differences or potential conflicts.)

Attach paper copies of the following:

- Syllabus or course outline.
- Course's student learning outcomes.
- A list of resources required to offer and support this course.
- A description of how teaching this course will affect department staffing.
- If 400/500 level course, an explanation of added expectations of graduate students.

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Revised September 2002
### Signature Page

**Department**
- **Recommended**
- **Not Recommended**

**College Curriculum Committee**
- **Recommended**
- **Not Recommended**

**College Dean**
- **Recommended**
- **Not Recommended**

**General Education Subcommittee**
- **Recommended**
- **Not Recommended**

**Undergraduate Curriculum and Academic Policy Committee**
- **Recommended**
- **Not Recommended**

**Faculty Association Graduate Committee**
- **Recommended**
- **Not Recommended**

**Graduate Dean**
- **Recommended**
- **Not Recommended**

**Academic Affairs Council**
- **Recommended**
- **Not Recommended**

**Senior Vice President and Vice President for Academic Affairs**
- **Approved**
- **Not Approved**