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

**DEPARTMENT** School of Electrical and Computer Engineering  
**DATE SUBMITTED** 2/3/2003  
**DATE EFFECTIVE** Fall 2003

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

<table>
<thead>
<tr>
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**EXISTING:**

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
<th>Subject Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>556</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Proposed Title</th>
<th>Fundamentals of Microelectronics Processing (VLSI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable Title</td>
<td>Yes [ ] No [ ] [X]</td>
</tr>
</tbody>
</table>

Abbreviated Title: **Fnd Microelecns VLSI**  
Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

**CROSS LISTED COURSES:**

<table>
<thead>
<tr>
<th>CHE</th>
<th>556</th>
</tr>
</thead>
</table>

**CREDIT TYPE:**

- 1. Fixed Credit: Cr. Hrs.
- 2. Variable Credit Range: Minimum Cr. Hrs. (Check One) To Maximum Cr. Hrs.
- 3. Equivalent Credit: Yes [ ] No [X]
- 4. Thesis Credit: Yes [ ] No [X]

**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

**CLASSIFICATIONS:**

- Department: [ ]
- Instructor: [ ]
- CAMPUS(ES) INVOLVED:
  - Calumet
  - Fort Wayne
  - Indianapolis
  - North Central
  - West Lafayette
  - Off Campus

**COURSE DESCRIPTION (PREREQUISITES INCLUDED):**

- Calumet Undergrad Curriculum Committee Date
- Fort Wayne Department Head Date
- Indianapolis Department Head Date
- North Central Department Head Date
- West Lafayette Department Head Date
- Graduate Area Committee Convener Date
- Calumet Department Head Date
- Fort Wayne School Dean Date
- Indianapolis School Dean Date
- North Central Vice Chancellor Date
- West Lafayette School Dean Date
- Graduate Dean Date
- Calumet School Dean Date
- Fort Wayne Chancellors Date
- Indianapolis Date
- North Central Date
- West Lafayette Date

**DATE APPROVED BY GRADUATE COUNCIL:** 3/5/03

**CERTIFYING OFFICIAL:** JUN 27 2003
**PURDUE UNIVERSITY**
**REQUEST FOR ADDITION, DELETION, OR REVISION OF A COURSE**

**DEPARTMENT** School of Electrical and Computer Engineering

**DATE SUBMITTED** 2/3/2003 **DATE EFFECTIVE** Fall 2003

**SCHOOL DOCUMENT NO.** EFD10-04

**GRADUATE COUNCIL DOCUMENT NO.**

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

<table>
<thead>
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<th>PURPOSE</th>
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<tr>
<td>1. Deletion of a course</td>
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<tr>
<td>9. Change in course credit type</td>
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<td>11. Change in instructional hours</td>
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**EXISTING:**

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
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<tr>
<td>Course Number</td>
<td>606</td>
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<tr>
<td>Proposed Title</td>
<td>Solid-State Devices</td>
</tr>
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<td>Abbreviated Title</td>
<td>Solid-State Devices</td>
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**PROPOSED:**

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<tr>
<th>Subject Abbreviation</th>
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</thead>
<tbody>
<tr>
<td>Course Number</td>
<td></td>
</tr>
<tr>
<td>Proposed Title</td>
<td></td>
</tr>
<tr>
<td>Variable Title</td>
<td></td>
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</table>

**SEMESTERS OFFERED**

<table>
<thead>
<tr>
<th>Check All That Apply.</th>
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<tbody>
<tr>
<td>Summer</td>
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**CROSS LISTED COURSES**

<table>
<thead>
<tr>
<th>Instructional Type</th>
<th>Class Hours</th>
<th>FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary</td>
<td>Auto-tutorial</td>
<td></td>
</tr>
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<td>Secondary</td>
<td>Ind. Study</td>
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</tr>
<tr>
<td>Laboratory</td>
<td>Clinic</td>
<td></td>
</tr>
<tr>
<td>Lab. Prep.</td>
<td>Experiential</td>
<td></td>
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</table>

**CREDIT TYPE**

<table>
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<tr>
<th>1. Fixed Credit: Cr. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>2. Variable Credit Range:</td>
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<tr>
<td>Minimum Cr. Hrs.</td>
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<tr>
<td>(Check One) To</td>
</tr>
<tr>
<td>Maximum Cr. Hrs.</td>
</tr>
<tr>
<td>3. Equivalent Credit: Yes</td>
</tr>
<tr>
<td>4. Thesis Credit: Yes</td>
</tr>
</tbody>
</table>

**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 |

**INSTRUCTOR**

<table>
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<tr>
<th>Department</th>
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<td>Instructor</td>
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**CAMPUS(ES) INVOLVED**

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<td>North Central</td>
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<tr>
<td>West Lafayette</td>
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<tr>
<td>Off Campus</td>
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</tbody>
</table>

**COURSE DESCRIPTION (PREREQUISITES INCLUDED):**

---

**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 Vice Chancellor**

**Date**

**West Lafayette Department Head**

**Date**

**West Lafayette School Dean**

**Date**

**Graduate Area Committee Coordinator**

**Date**

**Graduate Dean**

**Date**

**OFFICE OF THE REGISTRAR**

**JUN 27 2003**
**PURDUE UNIVERSITY**  
**REQUEST FOR ADDITION, DELETION, OR REVISION OF A COURSE**  
**SCHOOL DOCUMENT NO. EFD10-0x**  
**GRADUATE COUNCIL DOCUMENT NO.**

**DEPARTMENT** School of Electrical and Computer Engineering  
**DATE SUBMITTED** 2/3/2003  
**DATE EFFECTIVE** Fall 2003

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<td>14. Transfer of course from one dept. to another</td>
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</tbody>
</table>

**EXISTING:**

- **Subject Abbreviation:** ECE  
- **Course Number:** 612  
- **Proposed Title:** Advanced VLSI Devices  
- **Variable Title:** Yes  

**PROPOSED:**

- **Subject Abbreviation:**  
- **Course Number:**  
- **Proposed Title:** Advanced VLSI Devices  
- **Abbreviated Title:** Advanced VLSI Devices  

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  
  - [x] Spring

*Offered in Alternate Years.*

**CROSS LISTED COURSES**

<table>
<thead>
<tr>
<th>Instructional Type</th>
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**CREDIT TYPE**

1. Fixed Credit: Cr. Hrs.  
2. Variable Credit Range:  
   - Minimum Cr. Hrs: (Check One)  
     - [ ] 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  

**CAMPUS(ES) INVOLVED**

- Calumet  
- Fort Wayne  
- Indianapolis  
- North Central  
- West Lafayette  
- Off Campus

**COURSE DESCRIPTION (PREREQUISITES INCLUDED):**

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**OFFICE OF THE REGISTRAR**  
JUN 27 2003
PURDUE UNIVERSITY
REQUEST FOR ADDITION, DELETION, OR REVISION OF A COURSE

DEPARTMENT: School of Electrical and Computer Engineering
DATE SUBMITTED: 2/3/2003
DATE EFFECTIVE: Fall 2003

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

PURPOSE

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

EXISTING:

Subject Abbreviation: ECE
Course Number: 658

PROPOSED:

Subject Abbreviation: 
Course Number: 

Proposed Title: Semiconductor Material and Device Characterization
Abbreviated Title: Sc Matt Device Charac

Credit Type:

1. Fixed Credit: Cr. Hrs. ____________
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:

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

Semesters Offered:

☐ Summer ☐ Fall ☐ Ag Winter ☐ Spring ☑

* Offered in Alternate Years.

Cross Listed Courses:

Instructor

Course Type
Primary
Secondary
Laboratory
Lab. Prep.

Type
Instructional
Class
Hours
FTE

Instructional
Type
Class
FTE

Instructional
Type
Class
FTE

Instructor

Course Type
Primary
Secondary
Laboratory
Lab. Prep.

Type
Instructional
Class
Hours
FTE

Instructional
Type
Class
FTE

Instructional
Type
Class
FTE

Instructor

CAMPUS(ES) INVOLVED:

Calumet
Fort Wayne
Indianapolis
North Central
West Lafayette
Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

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 Apr. For Faculty 2/26/03

M.D. Zoltowski, Chair

Indianapolis Department Head Date

Indianapolis School Dean Date

Undergraduate Curriculum Committee Date

North Central Department Head Date

North Central Vice Chancellor Date

Date Approved by Graduate Council

M.A. Hovakimyan 6/12/03

West Lafayette School Dean Date

Graduate Council Secretary Date

M. Zoltowski 6/18/03

West Lafayette Registrar Date

OFFICE OF THE REGISTRAR

JUN 27 2003