



0742

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.

		(Check all that apply):		Proposal #	55						
College:	Science, Engineering and Technology	<input checked="" type="checkbox"/>	Undergraduate	Effective Date of Change:							
Department:	Physics and Astronomy	<input type="checkbox"/>	Graduate	Academic Year	06-07						
Program:	Physics B.S.	CIP #		(For Office Use Only)							
Type of Change	COURSE PROPOSALS		<table border="1"> <thead> <tr> <th>Course Designator and Number</th> <th>Number of Credits</th> </tr> </thead> <tbody> <tr> <td>Phys 467</td> <td>3</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>			Course Designator and Number	Number of Credits	Phys 467	3		
Course Designator and Number	Number of Credits										
Phys 467	3										
Proposed:	Course Withdrawal		(if applicable)								
Title Current:	Semiconductor device physics										
Title Proposed:											
24-Char. Abbrev:											

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.

*****For General Education or Cultural Diversity Courses Only*****

General Education Course:		Cultural Diversity Course: (Please check one.) <input type="checkbox"/> Core (At least 75% devoted to topics of race, gender, sexual orientation, age, class, and disabilities as they occur in United States Society.) <input type="checkbox"/> 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.)
GE Category #	GE Category Name (Maximum of 3 Categories)	
N/A		
N/A		
N/A		
? For Writing Intensive Courses, attach a description of the kind and quantity of writing. ? For Upper Division Courses, include a description of the respects in which it is broad and general rather than narrow and specific, and so suitable as GE.		
Attach paper copies of the following: a. Syllabus or course outline. b. Course's student learning outcomes associated with each GE competency or CD designation. c. List of strategies to be used to assess students' achievement of each GE competency or CD designation.		

*****For New Courses*****

(Check all that apply):		Instructional Type:	Lecture	Course will be offered:	
<input type="checkbox"/>	Course is an elective.	Grading Format:	<input type="checkbox"/> Grade <input type="checkbox"/> P/N	<input type="checkbox"/>	Fall Semester
<input type="checkbox"/>	Course is required for program			<input type="checkbox"/>	Spring Semester
<input type="checkbox"/>	Pre- or Co-requisites:			<input type="checkbox"/>	Summer Session
<input type="checkbox"/>	Other courses are being changed or eliminated. (Explain.)				
<input type="checkbox"/>	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: a. Syllabus or course outline. b. Course's student learning outcomes. c. A list of resources required to offer and support this course. d. A description of how teaching this course will affect department staffing. e. If 400/500 level course, an explanation of added expectations of graduate students.					



Minnesota State University, Mankato
Curriculum Proposal

Signature Page

Department

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

[Signature] 10/6/2006
 Department Chair Date

Comments:

College Curriculum Committee

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

[Signature] 10/20/06
 Committee Chair Date

Comments:

College Dean

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

[Signature] 10/23/06
 Dean Date

Comments:

General Education Subcommittee

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

 General Education Subcommittee Chair Date

Comments:

Undergraduate Curriculum and Academic Policy Committee

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

 UCAP Faculty Chair Date

Comments:

Faculty Association Graduate Committee

Recommended
 Not Recommended

 Faculty Association Graduate Chair Date

Comments:

Graduate Dean

Recommended
 Not Recommended

 Graduate Dean Date

Comments:

Academic Affairs Council

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

 Assistant Vice President Date

Comments:

Senior Vice President and Vice President for Academic Affairs

Approved (Category/ies _____)
 Not Approved (Category/ies _____)

 Sr. Vice President / Vice Pres. Academic Affairs Date

Comments:

