

**FLORIDA INTERNATIONAL UNIVERSITY  
UNIVERSITY CURRICULUM COMMITTEE**  
*Proposal for a New Course*

**DO NOT TYPE IN THIS BOX**

Bulletin # : \_\_\_\_\_  
Academic Year : \_\_\_\_\_

- 1a. SCHOOL/COLLEGE Engineering and Computing DIV./DEPT. IN WHICH TAUGHT Electrical and Computer Engineering
- b. DIV./DEPT. NO. EGEL DEPT. ACCOUNT NO. 212400101  
(9 digits)
2. EEL 4 XXX 3  
Alpha 1st Digit last 3 "C"-lec-lab Cr. Hrs. CIP Code  
Prefix Digit Digits "L"-Lab (Leave this blank)
- 3a. Course Title MEMS II
- b. Abbreviated course Title (for computer class schedules, transcripts) MEMS II  
LIMITED TO 25 Characters (including spaces)
4. Statewide Course Numbering Subject Matter Area \_\_\_\_\_
5. Catalog Description/Major Topics (not to exceed 200 characters including spaces)  
This course will give students an in depth knowledge and experience of emerging and developed technologies in the areas of micro-electro-mechanical-systems.
6. ATTACH DETAILED SYLLABUS COURSE OUTLINE AND COURSE JUSTIFICATION ON SEPARATE PAGE(S).
7. Prerequisite(s): EEE 3396 Introduction to solid state devices and EEE 4XXX – MEMS 1
8. Corequisite(s) \_\_\_\_\_
9. Objective(s) of Course: Students will develop expertise through in depth study of advanced micro/nano  
  - Hands on experience on MEMS design through case studies which will be closely tied with the ongoing research at FIU.
  - Students will also gain experience on proposal writing as well as reviewing other proposals.  
  - Experience on MEMS CAD tools – Coventorware.
10. Does this course duplicate/overlap other courses at FIU?  No  Yes  
If yes, please explain: \_\_\_\_\_
11. What other closely related department(s) have been consulted about this course? \_\_\_\_\_

**PROPOSAL REQUESTED BY:**

Faculty Contact	<u>Herman Watson</u>		____ / ____ / 20__
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	(Email address)	(Phone number)	
Chairperson (Dept./Div.)	<u>Shekhar Bhansali</u>		<u>9 1 4 120 12</u>
	(Type name)	(Signature)	
Chairperson (Curr. Comm.)	<u>Nagarajan Prabhakaran</u>		____ / ____ / 20__
	(Type name)	(Signature)	
College/School Dean	<u>Amir Mirmiran</u>		____ / ____ / 20__
	(Type name)	(Signature)	

**APPROVED BY:**

University Curriculum Committee \_\_\_\_\_ / \_\_\_\_ / 20\_\_

Faculty Senate Chairperson \_\_\_\_\_ / \_\_\_\_ / 20\_\_

Academic Affairs V.P. \_\_\_\_\_ / \_\_\_\_ / 20\_\_

**Submit one original copy of this form. Attach one hard copy and one electronic copy of the course syllabus containing: Objectives, Learning Outcomes, Major Topics and Textbooks.**