

FLORIDA INTERNATIONAL UNIVERSITY UNIVERSITY CURRICULUM COMMITTEE

Proposal for a New Course

DO NOT TYPE IN THIS BOX
Bulletin # : _____
Academic Year : _____

1. SCHOOL/COLLEGE Engineering & Computing DIV./DEPT. IN WHICH TAUGHT Electrical & Computer Engineering
2.

<u>EEL</u>	<u>4</u>	<u>740</u>	<u>L</u>	<u>1</u>	Grading Method (select one): <input checked="" type="checkbox"/> Graded <input type="checkbox"/> Pass/Fail
Alpha Prefix	1st Digit	Last 3 Digits	"C"-lec-lab "L"-Lab	Cr. Hrs.	

 CIP Code (Leave this blank): _____
- 3a. Course Title Embedded Computing Systems Laboratory
- b. Abbreviated course Title (for computer class schedules, transcripts) Embedded Comp Lab
LIMITED TO 25 Characters (including spaces)
4. Statewide Course Numbering Subject Matter Area EEL
5. Catalog Description/Major Topics (not to exceed 200 characters including spaces)
College of Medicine and College of Law: Attach description not exceeding 1,000 characters including spaces.
Hands-on experience on Hardware/Software co-design of embedded computing systems: architecture, hardware/software components, interfacing, and communication issues.
6. ATTACH DETAILED SYLLABUS COURSE OUTLINE AND COURSE JUSTIFICATION ON SEPARATE PAGE(S).
7. Prerequisite(s): EEL 4709C Computer Design
8. Corequisite(s) EEL 4740L EMBEDDED COMPUTING SYSTEMS
9. Objective(s) of Course:

 - Be able to create an embedded system project.
 - Be able to compile and execute a software application on the embedded platform.
 - Be able to handle embedded GUI development project using FPGA and EDK software.
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>Dr. Herman Watson</u>		<u>01, 16, 2013</u>
	(Type name) <u>Herman.Watson@fiu.edu</u>	(Signature) <u>305 3483018</u>	
	(Email address)	(Phone number)	
Chairperson (Dept./Div.)	<u>Dr. Shekhar Bhansali</u>		<u>01, 16, 2013</u>
	(Type name)	(Signature)	
Chairperson (Curr. Comm.)	<u>Dr. Nagarajan Prabakar</u>	_____	<u> / / 20</u>
	(Type name)	(Signature)	
College/School Dean	<u>Dr. Amir Mirmiran</u>	_____	<u> / / 20</u>
	(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: course description, objectives, learning outcomes, major topics and textbooks.