



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

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

1. School/College Engineering and Computing
Div./Dept. in Which Taught School of Computing and Information Sciences
2. CAP 4 3 CIP Code (Leave this blank): _____
Alpha Prefix 1st Digit Last 3 Digits "C"-lec-lab "L"-Lab Cr. Hrs.
3. Grading Method (select one): Graded Pass/Fail
- 4a. Course Title Introduction to Robot Vision
- b. Abbreviated course Title (for computer class schedules, transcripts)

Introduction Robot Vision

LIMITED TO 25 Characters (including spaces)
5. Statewide Course Numbering Subject Matter Area CAP (Computer Applications)
6. 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.

Perspective and orthographic projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Fall, Spring.
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7. Attach detailed syllabus course outline and course justification on separate page(s).
8. Prerequisite(s): COP 3530 and MAC 2312
9. Corequisite(s): _____
10. Objective(s) of Course:

familiarity with algorithms in vision for edge detection, object detection, face recognition, motion computation; exposure to to concepts in Machine Learning for computer vision.
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11. Does this course duplicate/overlap other courses at FIU? No Yes
If yes, please explain: _____
12. What other closely related department(s) have been consulted about this course?
Electrical and Computer Engineering

PROPOSAL REQUESTED BY:

Faculty Contact <u>Nagarajan Prabakar</u>	<u>9</u> / <u>15</u> / <u>20</u> <u>14</u>
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<small>(Email address)</small>	<small>(Phone number)</small>
Chairperson (Dept./Div.) <u>Mark Weiss</u>	<u>9</u> / <u>15</u> / <u>20</u> <u>14</u>
<small>(Type name)</small>	<small>(Signature)</small>
Chairperson (Curr. Comm.) <u>Deng Pan</u>	____ / ____ / <u>20</u> <u>14</u>
<small>(Type name)</small>	<small>(Signature)</small>
College/School Dean <u>Amir Mirmiran</u>	____ / ____ / <u>20</u> <u>14</u>
<small>(Type name)</small>	<small>(Signature)</small>

Submit one original form. Attach one copy of the course syllabus containing: course description, objectives, learning outcomes, major topics and textbooks.