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Instructions

This New Course form will enable you to propose a new course. To initiate this proposal, you will need to provide information regarding:

- Justification for New Course
- College/ School
- Department
- Career (Undergraduate, Graduate, Law, or Medicine)
- Course Prefix
- Course Level (1000, 2000, 3000, etc.)
- Course Designation (Laboratory, Combined, or N/A)
- Course Title (Long and Abbreviated)
- Course Description
- Global Learning designation (if applicable)
- Grading method
- Effective Term
- Syllabus
- Number of credit hours
- Course prerequisites and corequisites

The Course Review Subcommittee, a standing committee of the University Curriculum Committee, will review this course proposal and recommend approval to the FIU Faculty Senate. The members that comprise these governing bodies may not understand the nuances of your department or academic discipline. Therefore, you will be required to provide a justification for explaining the need for this new course. The Course Review Subcommittee requests that justifications be specific and written for an audience that is unfamiliar with your department and program. You will also be required to attach a syllabus for the course you are proposing. Required criteria for the syllabus are provided at the end of this form.

Bulletin

Bulletin number

-

Justification for New Course

Please provide a justification explaining the need for the proposed new course.

There is currently no advanced robot simulation course offered within the department. This is a critical area within the robotics field, and we need to offer at least one advanced course in this area for our students as it will help them get a job in the area.

Course Information

College/School

CENGR - College of Engineering & Comp

Department(s)

Electrical & Computer Engineering/CENGR

Career

Graduate

Course Prefix

EEL

Course Level

Level - 5XXX

Course Designation

N/A - This course will not have a designation.

Abbreviated Course Title (appears on transcript)

Advanced Robot Simulation

Begin typing the abbreviated course title for the proposed course. Abbreviated titles are shown on student transcripts. Please keep abbreviated titles intelligible to a general audience.

Course Description

This course will provide a comprehensive understanding of the principles behind robot simulation based off physical models and real-world parameters. Students will apply robot modeling concepts to create realistic movements with rigid body and soft continuum robots that can perform tasks with different materials in various simulated worlds.

Global Learning Designation

No

Grading Method

GRD - Graded

Split Ownership - Registrar View only

No

Department Owners - Registrar View only

-

Effective Term

Status - Registrar View only

Active

New courses become effective in Fall of the next academic year. If this course requires a different effective date, for example Spring of the next academic year, please provide a justification in the box.

The course approval process takes several months and concludes when the Florida Department of Education's State Course Numbering System assigns a final course number, typically two semesters from the time the proposal is submitted.

Effective Term Justification (if not Fall of next year)

-

Administrative Course Detail

Peoplesoft Course ID

-

Course Offer Number - Registrar View only

1

Catalog Number - Registrar View only

-

Exam Only Course - Registrar View only

No

Equivalent Course Group - Registrar View only

-

Catalog Print

Yes

Print Instructor In Schedule

Yes

Requirement Designation - Registrar View only

-

Course Fees Exist

No

Last Course of Multi Term Sequence

No

HEGIS Code

-

Allow Integration Sync To SIS - Registrar View

Yes

Course Enrollment Details

Instructor Edit

No Choice

GL Interface Required

No

Dynamic Class Date Rule

-

Tuition Group

-

OEE Enrollment

No

OEE Dynamic Date Rule

No

Requirement Group - Registrar View only

undefined - undefined

Credit Hours

Units

Min Units:

3

Max Units:

-

Value:

-

Operator:

-

Course Count:

1

Repeat for Credit:

No

Number of Repeats:

-

Total Units Allowed - Registrar View:

-

Prerequisite(s) and Corequisite(s)

Instructions

To denote prerequisite(s) or corequisite(s), use the "Embed Course Link" (book icon) in the toolbar above each box. Click the icon. Then, search using the prefix and number of the course you wish to add. Then click "Embed Link".

If there are no prerequisite(s) or corequisite(s), please type "N/A" in each text box.

Prerequisite(s)

MAP 2302 Differential Equations or equivalent, EEE 5772 Intelligent Robotics, Vision, and Controls or permission from the instructor.

Corequisite(s)

N/A

Additional Information

Does the course content represent an area of expertise or topic typically taught by another Department/School?

No

If so, please explain...

-

What department(s) were consulted about this course?

-

Please upload documentation of this communication (memo, email, etc.)

-

Will this course be used for the assessment of a program or a certificate? (Checking Yes will automatically notify assessment.fiu.edu)

No

Proposal Log Details

Department Chair Approval, 11/7/25, 3:36 PM EST

Deidra Hodges approved this request.