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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 introductory robot simulation course offered within the department for undergraduate students. The department needs to offer an introduction in this area for our students as it will help them get a job in the field.

## Course Information

**College/School**

CENGR - College of Engineering &amp; Comp

**Department(s)**

Electrical &amp; Computer Engineering/CENGR

**Career**

Undergraduate

**Course Prefix**

EEL

**Course Level**

Level - 3XXX

**Course Designation**

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

**Abbreviated Course Title (appears on transcript)**

Robot Simulation

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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.

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**Course Description**

This course will provide an introduction to the principles behind robot simulation for wheeled rovers and manipulators using the Robot Operating System (ROS). Students will analyze foundational concepts of robot modeling and apply them to state-of-the-art open-source modeling software to create realistic movements for varying tasks.

**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 2303 Differential Equations, EEL3664 Introduction to Autonomous Systems 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, 11/10/25, 11:10 AM EST**

Deidra Hodges approved this request.