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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.

This course is designed to teach students how to apply Artificial Intelligence and Machine Learning to cybersecurity challenges. Students will work through practical lab exercises each week, developing tools and models that detect, classify, and defend against cyber threats. The application of cybersecurity to AI and the use of AI in cybersecurity are essential for students interested in pursuing careers in AI and cybersecurity.

## Course Information

College/School

CENGR - College of Engineering & Comp

Department(s)

Electrical & Computer Engineering/CENGR

Career

Undergraduate

Course Prefix

CAI

Course Level

Level - 4XXX

Course Designation

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

Abbreviated Course Title (appears on transcript)

Fund of AI Security

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 introduces the basic topics of applying AI to solve cybersecurity challenges unique to ECE, including the evaluation of machine learning models for detecting attacks and anomalies, conduct cybersecurity tasks such as phishing detection, intrusion detection, and malware classification in low-level, performance-critical platforms.

**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:

3

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)

CNT 4153 Machine Learning in ECE

CNT 4149 Advanced Deep Learning in ECE

### Corequisite(s)

None

## Additional Information

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

Yes

**If so, please explain...**

Computer Science

**What department(s) were consulted about this course?**

Computer Science

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

[Jason-approval details.pdf](#), [ResponseCouseSuggestions.docx](#)

**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, 10/23/25, 10:43 AM EST**

Deidra Hodges approved this request.

**CEC Curriculum Committee Approval, 11/13/25, 12:45 PM EST**

Priyanka Alluri sent back this request.

**Author, 11/13/25, 10:09 PM EST**

Alexander Perez-Pons approved this request.

**Department Chair Approval, 11/14/25, 9:28 AM EST**

Deidra Hodges approved this request.