Instructions

This Course Change form will enable you to propose several types of changes to existing courses. You may propose changes regarding:

- Department offering the course
- Course prefix
- Course number
- Course title (you may propose changes both to the full course title and/or to the abbreviated title)
- Course description
- Global Learning designation
- Gordon Rule designation
- Grading method (changing from a graded option to a pass/fail option, or vice versa)
- Credit Hours
- Course prerequisites and corequisites (adding or removing)

The Course Review Subcommittee, a standing committee of the University Curriculum Committee, will review these proposed changes and recommend approval of these changes 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 the changes you are proposing. 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 showing your proposed changes. Requires criteria for the syllabus are provided at the end of this form.

Bulletin

Bulletin number

-

Proposed Changes

Using the drop-down list, select each type of change you are proposing. (You may propose more than one type of change using this Course Change form.)
Course Title, Course Description

Justification for Course Change

Please provide a justification for the changes you are proposing.
The proposed title and description changes clarify that the course covers not only the theoretical foundations of neural networks but also their practical applications within machine learning, highlighting its relevance to current AI practices and aligning with industry and academic trends. The course includes three hands-on projects that provide students with experience in applying neural networks to real-world machine learning problems. The original title (from before 1995) does not properly convey the link between the topics of this course and the current Machine Learning landscape.

Course Information

College
CENGR - College of Engineering & Comp

Department(s)
Electrical & Computer Engineering/CENGR

If proposing a change in the department offering the course: Remove the populated department by selecting the "X" next to its name. Then, begin typing the name of the new department; a list of possible departments should autopopulate. Select the new department from this list.

Career
Graduate

Course Prefix
EEL

If proposing a change in course prefix: Begin typing the new course prefix; a list of possible prefixes should autopopulate in the drop-down list. Select the new course prefix from this list.

Course Number
5813

If proposing a change in course number: Begin by deleting the autopopulated course number. Then, type the new course number you would like to propose.

Abbreviated Course Title
Neural Networks in ML

Long Course Title
Neural Networks in Machine Learning

Long Description (Catalog Description)
Various artificial neural networks and their training algorithms will be introduced. Their applications to electrical and computer engineering fields will be covered. The course includes hands-on projects that focus on applying neural networks to modern machine learning applications.

Should this be designated a Global Learning course?
No

Should this be designated a Gordon Rule Writing course?
No

Does this proposed change impact the assessment process of a program or certificate?
No

Effective Term

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)
-

Course Grading

Grading Basis
GRD - Graded

Course Syllabus

Course Attributes

Course Attributes
PERM - INSTR (Permission of the instructor)

University Core Curriculum Learning Outcomes

Student Learning Outcomes for Core Curriculum Courses
-

Credit Hours

Units

Min Units:
3

Max Units:
3

Value:
-

Operator:
-

Contact Hours - Registrar View

Contact Hours Min:
-

Contact Hours Max:
-

Contact Hours Value:
0

Contact Hours Operator:
-

Academic Progress Units - Registrar View

Academic Progress Units Min:
3

Academic Progress Units Max:
-

Academic Progress Units Value:
3

Academic Progress Units Operator:
-

Financial Aid Units - Registrar View

Financial Aid Units Min:
3

Financial Aid Units Max:
-

Financial Aid Units Value:
3

Financial Aid Units Operator:
-

Course Count - not visible:
1

Repeat for Credit - Registrar View:
No

Number Of Repeats - Registrar View:
1

Total Units Allowed - Registrar view only:
3

Prerequisite(s) and Corequisite(s)

Requirement Group
undefined - undefined

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.

Proposed Prerequisite Change
-

Proposed Corequisite Change
-

Read-Only Catalog Fields- Registrars view only

Catalog Course Attributes
PERM - INSTR (Permission of the instructor)

Catalog Requirement Designation
-

Dependencies

Instructional Methods (this card is hidden and should NOT be displayed)