DO NOT TYPE IN THIS BOX

Bulletin # : _____

Academic Year : _____

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

1. **School/College** College of Engineering and Computing

   **Div./Dept. in Which Taught** Computing and Information Sciences

2. CAP (Alpha Prefix) | 2 (1st Digit) | _____ (Last 3 Digits) | _____ ("C"-lec-lab "L"-Lab) | 3 (Cr. Hrs.)

   **CIP Code** ***(Leave this blank):*** _____

3. **Grading Method (select one):** ☒ Graded ☐ Pass/Fail

4a. **Course Title** Introduction to Data Science

b. **Abbreviated course Title** ***(for computer class schedules, transcripts)*** Intro to Data Science

LIMITED TO 25 Characters *(including spaces)*

5. **Statewide Course Numbering Subject Matter Area** Computer Science

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.*

Fundamental data science lifecycle topics with key concepts in data ethics, governance, applied statistics, and computing with hands-on experience to apply knowledge in real-world scenarios.

7. **Attach detailed syllabus course outline and course justification on separate page(s).**
8. **Prerequisite(s):** COP 2XXX – Python Programming I or Advisor's Permission
9. **Corequisite(s):** COP 3XXX – Computational Thinking
10. **Objective(s) of Course:**

Introduce the data science lifecycle, emphasizing hands-on application in data analytics and ethical considerations. For a complete description and course outcomes, please refer to the attached syllabus.

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?**

    Department of Mathematics and Statistics

13. **Is this course used for the assessment of a program or a certificate (if yes, then send a notification to assessment@fiu.edu)?** ☑ **No** ☐ **Yes**

**PROPOSAL REQUESTED BY:**

**Faculty Contact** Gregory Murad Reis (Gregory Murad Reis) 09 / 04 / 20 23

(Type name) (Signature)

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**Chairperson (Dept./Div.)** Jason Liu _____ / _____ / 20_____

(Type name) (Signature)

**Chairperson (Curr. Comm.)** _____ _____ / _____ / 20_____

(Type name) (Signature)

**College/School Dean** _____ _____ / _____ / 20_____

(Type name) (Signature)

Submit one original form. Attach one copy of the course justification and a draft of the course syllabus for this New Course Proposal. *The syllabus should include all components on the New Course Checklist.*