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. COP (Alpha Prefix) | 3 (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** Computational Thinking

b. **Abbreviated course Title** ***(for computer class schedules, transcripts)*** Computational Thinking

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.

Computational thinking principles, covering algorithms, data structures, problem-solving, problem decomposition, creativity, and topics in recursion and ethical considerations in computing.

7. **Attach detailed syllabus course outline and course justification on separate page(s).**
8. **Prerequisite(s):** COP 2XXX - Python Programming I or COP 2210 - Programming I or COP 2250 - Programming in Java
9. **Corequisite(s):** COP 2XXX - Introduction to Data Science and COP 3XXX - Python Programming II
10. **Objective(s) of Course:**

Cultivate logical problem-solving approaches rooted in computational principles and reasoning. 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 (Type name) | Gregory Murad Reis (Signature) | 09 / 04 / 20 23

gmuradre@fiu.edu (Email address) | 305-348-7852 (Phone number)

Chairperson (Dept./Div.) Jason Liu (Type name) | (Signature) | 10 / 10 / 20 23

Chairperson (Curr. Comm.) _____ (Type name) | (Signature) | ____ / ____ / 20____

College/School Dean _____ (Type name) | (Signature) | ____ / ____ / 20____

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*.