



**FLORIDA INTERNATIONAL UNIVERSITY
UNIVERSITY CURRICULUM COMMITTEE**

Proposal for a New Course

DO NOT TYPE IN THIS BOX

Bulletin # : _____

Academic Year : _____

1. School/College Engineering and Computing

Div./Dept. in Which Taught School of Computing and Information Sciences

2. CAP 2 3 CIP Code (Leave this blank): _____
 Alpha Prefix 1st Digit Last 3 Digits "C"-lec-lab "L"-Lab Cr. Hrs.

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

4a. Course Title Fundamentals of Data Science

b. Abbreviated course Title (for computer class schedules, transcripts) Fundamentals of Data Sci.
LIMITED TO 25 Characters (including spaces)

5. Statewide Course Numbering Subject Matter Area CIS (Computing and Information Sciences)

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.

This course will teach data science fundamentals to undergraduate non-CS majors. The focus will be on real-world applications and use of associated analysis, visualization tools, Python programming.

7. Attach detailed syllabus course outline and course justification on separate page(s).

8. Prerequisite(s): B.S. or B.S. standing or permission of the instructor

9. Corequisite(s): None

10. Objective(s) of Course:

Understand the principles and approaches of data science, including the pre-processing, data-representation, data analysis and visualization


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?

None

PROPOSAL REQUESTED BY:

Faculty Contact Fahad Saeed  11 / 28 / 2018
 (Type name) (Signature)

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 (Email address) (Phone number)

Chairperson (Dept./Div.) S.S. Iyengar  11 / 28 / 2018
 (Type name) (Signature)

Chairperson (Curr. Comm.) _____ / _____ / 2018
 (Type name) (Signature)

College/School Dean John Volakis _____ / _____ / 2018
 (Type name) (Signature)

Submit one original form. Attach one copy of the course syllabus containing: course description, objectives, learning outcomes, major topics and textbooks.