



**FLORIDA INTERNATIONAL UNIVERSITY
UNIVERSITY CURRICULUM COMMITTEE**

Proposal for a New Course

DO NOT TYPE IN THIS BOX

Bulletin # : _____

Academic Year : _____

1. School/College Business

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

2. CAP 4 C 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 Practical Machine Learning

b. Abbreviated course Title (for computer class schedules, transcripts) Pract Machine Learning

LIMITED TO 25 Characters (including spaces)

5. Statewide Course Numbering Subject Matter Area Computer Science & Computing Technologies

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.

Practical introduction to machine learning. Tools for Python, Supervised/Unsupervised Learning, and Best Practices. Case studies and practical applications will be discussed. Not for CS majors.

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

8. Prerequisite(s): None

9. Corequisite(s): None

10. Objective(s) of Course:

Fundamental concepts, methods, and models used in Machine Learning. Apply machine learning techniques to solve real world problems. Understand practical implications of Machine Learning. Case studies.

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 Electrical and Computer Engineering

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 Miguel Alonso Jr 11 / 28 / 2018
 (Type name) (Signature)

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 (Email address) (Phone number)

Chairperson (Dept./Div.) S.S. Iyengar _____ / _____ / 20
 (Type name) (Signature)

Chairperson (Curr. Comm.) Cesar Levy _____ / _____ / 20
 (Type name) (Signature)

College/School Dean John Volakis _____ / _____ / 20
 (Type name) (Signature)

Submit one original form. Attach one copy of the course justification and course syllabus, course description, objectives, major topics and textbooks.