



**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 6 3
Alpha Prefix 1st Digit Last 3 Digits "C"-lec-lab "L"-Lab Cr. Hrs. CIP Code (Leave this blank): _____

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

4a. Course Title Advanced Topics in Machine Learning

b. Abbreviated course Title (for computer class schedules, transcripts) Adv. Topics in ML
LIMITED TO 25 Characters (including spaces)

5. Statewide Course Numbering Subject Matter Area CAP (Computer Applications)

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.

Advanced course on machine learning principles and techniques. Students propose, implement, and present a collaborative project with advanced machine learning techniques.

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

8. Prerequisite(s): CAP 5610 - Introduction to Machine Learning

9. Corequisite(s): None

10. Objective(s) of Course:

Provide students with a solid and comprehensive understanding of advanced machine learning algorithms to solve real-world problems in IoTs, smart cities, personalized medicine, etc.

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

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	<u>Ananda Mohan Mondal / Miguel Alonso Jr</u>		<u>11</u> / <u>01</u> / <u>2019</u>
	(Type name)	(Signature)	
	<u>amondal@fiu.edu / malonsoj@fiu.edu</u>	<u>305-348-4588</u>	
	(Email address)	(Phone number)	
Chairperson (Dept./Div.)	<u>Ram Iyengar</u>		<u>11</u> / <u>25</u> / <u>2019</u>
	(Type name)	(Signature)	
Chairperson (Curr. Comm.)	<u>Wei-Chiang Lin</u>		<u> </u> / <u> </u> / <u>20 </u>
	(Type name)	(Signature)	
College/School Dean	<u>John Volakis</u>		<u> </u> / <u> </u> / <u>20 </u>
	(Type name)	(Signature)	

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