



**FLORIDA
ATLANTIC
UNIVERSITY**

**NEW COURSE PROPOSAL
Undergraduate Programs**

Department **CEECs**

College **CSE CoES**

(To obtain a course number, contact erudolph@fau.edu)

UUPC Approval 10/8/18

UFS Approval _____

SCNS Submittal _____

Confirmed _____

Banner Posted _____

Catalog _____

Prefix CAP	(L = Lab Course, C = Combined Lecture/Lab; add if appropriate)	Type of Course Lecture	Course Title Introduction to Deep Learning
Number 4613	Lab Code		

Credits (Review Provost Memorandum) 3	Grading (Select One Option) Regular <input checked="" type="radio"/> Pass/Fail <input type="radio"/> Sat/UnSat <input type="radio"/>	Course Description (Syllabus must be attached; Syllabus Checklist recommended; see Guidelines) This course teaches students basic concepts of deep learning. The class will cover three major topics including statistical machine learning, neural network structures, and deep neural networks. Detailed topics include introduction to machine learning algorithms, perceptron learning, and multi-layer neural networks, and deep neural network structures and learning algorithms. The lectures will include practical sessions dedicated to the implementation and programming of deep learning framework.
Effective Date (TERM & YEAR) Fall 2019		

Prerequisites, with minimum grade* COP 3530 Data Structures and Algorithm Analysis, with minimum grade of "C"	Corequisites	Registration Controls (Major, College, Level) Computer Science, Computer Engineering, Electrical Eng.
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*Default minimum passing grade is D-. Prereqs., Coreqs. & Reg. Controls are enforced for all sections of course

WAC/Gordon Rule Course <input type="radio"/> Yes <input checked="" type="radio"/> No WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See WAC Guidelines .	Intellectual Foundations Program (General Education) Requirement (Select One Option) None General Education criteria must be indicated in the syllabus and approval attached to the proposal. See GE Guidelines .
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Minimum qualifications to teach course
MEMBER OF THE GRADUATE FACULTY OF FAU AND HAS A TERMINAL DEGREE IN THE SUBJECT AREA.

Faculty Contact/Email/Phone Xingquan Zhu, xzhu3@fau.edu, 297-3452	List/Attach comments from departments affected by new course N/A
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Approved by	Date
Department Chair <u>[Signature]</u>	<u>9/28/2018</u>
College Curriculum Chair <u>[Signature]</u>	<u>10/1/2018</u>
College Dean <u>[Signature]</u>	<u>10/1/18</u>
UUPC Chair <u>[Signature]</u>	<u>10/8/18</u>
Undergraduate Studies Dean <u>[Signature]</u>	<u>10/9/18</u>
UFS President _____	_____
Provost _____	_____

Email this form and syllabus to mjenning@fau.edu seven business days before the UUPC meeting.