FLORIDA ATLANTIC	COURSE CHANGE REQUEST Graduate Programs Department CEECS		UGPC Approval UFS Approval SCNS Submittal Confirmed Banner		
UNIVERSITY	College Engineering and Computer S	Catalog			
<i>Current</i> Course Prefix and Num		elligence			
<i>Syllabus must be attached for ANY changes to current course details. See <u>Guidelines</u>. Please consult and list departments that may be affected by the changes; attach documentation.</i>					
Change title to:		Change description to	:		
Change prefix					
From:	То:	Change prerequisites	/minimum grades to:		
Change course r	Change course number		Graduate standing for CEECS students, and		
From:	То:	instructor's approval for	or students from other major.		
Change credits*	:	Change corequisites to	0:		
From:	То:				
Change grading					
From:	То:	Change registration co	ontrols to:		
Academic Servi	ce Learning (ASL) **				
Add	Remove				
 * Review <u>Provost Memorandum</u> ** Academic Service Learning statement must be indicated in syllabus and approval attached to this form. 		Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade.			
Effective Term/ for Changes:	Year Spring 2021	Terminate course? Effective Term/Year for Termination:			
Faculty Contact/Email/Phone Hanqi Zhuang/zuang@fau.edu/ 297-3413					
		ly signed by Hanqi Zhuang 020.10.21 15:37:00 -04'00'	Date		
College Curriculum	Erancisco Presuel-Moreno	lly signed by Francisco Presuel-Moreno =Francisco Presuel-Moreno, o=Florida Atlantic University, ou=Ocean and Mechanical enring, email=frequel@fauedu, c=US 020.10.22 12:48:20 - 04'00'			
College Dean Dead Control of the control of			10/25/2020		
UGPC Chair					
UGC Chair					
Graduate College Dean					
UFS President					
Provost					

Email this form and syllabus to UGPC@fau.edu 10 days before the UGPC meeting.

Department of Computer & Electrical Engineering and Computer Science Florida Atlantic University Course Syllabus

ber of credit hours				
35	3 credit hours			
2. Course prerequisites, corequisites, and where the course fits in the program of study				
ing for CEECS student:	s, and instructor's approval for students from other			
tion				
ation, deduction, agen	artificial intelligence: representations, search ts, evolutionary computation and machine learning.			
7. Course objectives/student learning outcomes/program outcomes				
perspective on the fo	is for students to gain breadth, depth, and bundations, latest developments, tools, applications, artificial intelligence (AI).			
 Understand models are can be used Compare ar machine lea Become res Al resources 	what it is to develop AI models, when and why needed, the limitations of models, and how models to support conclusions. Ind contrast different AI approaches, including arning and deep learning methods. ourceful and capable of navigating the web of online			
	ing for CEECS students ing for CEECS students ition ition es, and applications of a ation, deduction, agen learning outcomes/pr learning outcomes/pr learnin			

Department of Computer & Electrical Engineering and Computer Science Florida Atlantic University

Florida Atlantic University Course Syllabus					
Course Syllabus 5. Improve their philosophical understanding of both					
	computational and human intelligence.				
		ability to work independently on creative and			
	novel projects	i.			
8. Course evaluation method					
Book and paper summaries	50%				
Online quizzes	25%				
Hands-on Assignments	20%				
Participation	5%				
i al delpation	570				
9. Course grading scale					
Grading Scale:					
93 and above: "A", 90-92: "A-", 87-89: "B+", 83-86: "B", 80-82: "B-", 77-79: "C+", 73-76: "C", 70-72: "C-",					
67-69: "D+", 63-66: "D", 60-62: "D-", 59 and below: "F."					
10. Policy on makeup tests, late work, and incompletes					
Makeun tests are given only if t	hara is salid avidanca	of a medical or otherwise serious emergency that			
, , ,		5,			
prevented the student of participating in the exam. Makeup exam should be administered and proctored by department personnel unless there are other pre-approved arrangements.					
		% of the maximum possible grade for each day			
-		f 3 days late (i.e., 30% penalty), beyond which			
the assignment will receive a g	rade o (zero).				
		ce of medical or otherwise serious emergency			
situation <u>and</u> the student is currently passing the class.					
11. Special course requirements					
N/A					
12. Classroom etiquette policy					
Students are required to comply with all requirements specified in the student code of conduct and not in					
any way disrupt the class or prevent other students from benefiting from the class. Students are to speak					
and behave respectfully to each other and to all FAU faculty and staff.					
13. Attendance policy statement					
Students are expected to attend all of their scheduled University classes and to satisfy all academic					
objectives as outlined by the instructor. The effect of absences upon grades is determined by the					
instructor, and the University reserves the right to deal at any time with individual cases of non-					
attendance.					
Students are responsible for arranging to make up work missed because of legitimate class absence, such					
as illness, family emergencies, military obligation, court-imposed legal obligations or participation in					

as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University-approved activities. Examples of University-approved reasons for absences include

Department of Computer & Electrical Engineering and Computer Science Florida Atlantic University Course Syllabus

participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

14. Disability policy statement

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at <u>www.fau.edu/sas/</u>.

15. Counseling and Psychological Services (CAPS) Center

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to http://www.fau.edu/counseling/

16. Code of Academic Integrity policy statement

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001. If your college has particular policies relating to cheating and plagiarism, state so here or provide a link to the full policy—but be sure the college policy does not conflict with the University Regulation.

17. Required texts/reading

Books (REQUIRED):

- 1. How smart machines think Author: Sean Gerrish; ISBN-13: 978-0262038409 (MIT Press)
- 2. The master algorithm Author: Pedro Domingos; ISBN-13: 978-0465065707 (Basic Books)

18. Supplementary/recommended readings

Reference book:

S. Russell and P. Norvig, Artificial Intelligence: A Modern Approach 4th edition, Prentice Hall, 2020

Additional reading materials will be provided during the semester.

19. Course topical outline, including dates for exams/quizzes, papers, completion of reading

Department of Computer & Electrical Engineering and Computer Science Florida Atlantic University Course Syllabus

1: Al: the big picture

2: Foundations of AI

3: The age of machine learning and deep learning

4: AI: applications

5: AI: implications

6: Al: beyond machine learning and deep learning