COURSE CHANGE REQUEST Graduate Programs		UGPC Approval UFS Approval SCNS Submittal		
FLORIDA Department CEECS	Department CEECS		Confirmed	
UNIVERSITY College Engineering and Computer Science		Science	Banner Catalog	
Current CourseCurrent CoursePrefix and NumberCAP 6640Natural Lang		ourse Title		
<i>Syllabus must be attached for</i> ANY <i>changes to current course details. See</i> <u><i>Guidelines.</i></u> <i>Please consult and list departments that may be affected by the changes; attach documentation.</i>				
Change title to:		Change description to	:	
Change prefix				
	From: To:		Change prerequisites/minimum grades to:	
Change course number		None.		
From: To:				
Change credits*		Change corequisites to:		
From: To:				
Change grading		Change registration of	antrolo to.	
From: To:		Change registration co	ontrois to:	
Academic Service Learning (ASL) **				
Add Remove				
 Review Provost Memorandum ** 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/Year for Changes: Spring 20	Year Terr Spring 2021 for T		ective Term/Year	
Faculty Contact/Email/Phone Hanqi Zhuang/zuang@fau.edu/ 297-3413				
Approved by Digitally signed by Hanqi Zhuang Department Chair Digitally signed by Hanqi Zhuang		Date		
College Curriculum Chair Francisco Presuel-Moreno Deputy specify result former of the sector and Methanical Engineering mail-presult former of the sector and Methanical Engineering mail presult for the sector and Methanical Engineering mail presult fo				
College Dean Public ford Allance Converse, 			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 and Electrical Engineering and Computer Science Florida Atlantic University Course Syllabus

1 Course title/number numb	per of credit hours				
	1. Course title/number, number of credit hoursCAP 6640 Natural Language Processing3 credit hours				
2. Course prerequisites, corequisites, and where the course fits in the program of study					
Prerequisites: None					
3. Course logistics					
Term: TBD					
Room: TBD					
Time: TBD					
Final Exam: TBD					
4. Instructor contact information					
Instructor's name	Dingding Wang				
Office address	Engineering East (EE-96) Bldg., Rm. 510				
Office Hours	Wed/Fri 1:00pm-2:00pm				
Contact telephone number	(561) 297-3228				
Email address	wangd@fau.edu				
5. TA contact information					
TA's name	TBD				
Office address	TBD				
Office Hours	TBD				
Email address	TBD				
6. Course description					
This course provides students with both theory and applications of natural language processing. It					
-	-	cs, probability and computer science.			
Some of the topics covered in the class are text similarity, part-of-speech tagging, parsing, semantics,					
question answering, sentiment analysis and text summarization.					
7. Course objectives/student learning outcomes/program outcomes					
Course objectives	At the end of the class, students should be able to master latest Natural				
	Language Processing (NLP) techniques. Students will apply these				
	techniques on real-world web dat	a using NLP tools.			
8. Course evaluation method					
3 Assignments (computer-bas	ed, 15% each) - 45%				
Exam-30%					
Project-25%					
Notes: In the project, the students will (1) read literatures and survey in an NLP area or (2) introduce an					
NLP software toolkit. The students will present their surveys or demos in class and submit a					
final report by summarizing their projects at the end of the semester.					
9. Course grading scale					
Grading Scale:					
90 and above: "A", 86-89: "A- ", 82-85: "B+", 80-83: "B", 76-79: "B- ", 72-75: "C+", 68-71: "C", 64-67: "C-					
", 60-63: "D+", 56-59: "D", 52-55: "D- ", 51 and below: "F."					
Note: Calculated grades will be rounded to the nearest integer.					
10. Policy on makeup tests, late work, and incompletes					
<i>Makeup exams</i> are given only if there is solid evidence of a medical or otherwise serious emergency that prevented the student of participating in the exam. Makeup exams will be administered and proctored					
prevented the student of participating in the exam. Makeup exams will be administered and proctored by department personnel unless there are other pre-approved arrangements					
Incomplete grades are against the policy of the department, unless there is solid evidence of medical or					
	situation incomplete grades will no				
	site and incomplete grades will no				

11. Special course requirements

None

12. Classroom etiquette policy

University policy requires that in order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular phones and laptops, are to be disabled in class sessions.

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 University-approved activities. Examples of University-approved reasons for absences

include 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 <u>University Regulation 4.001</u>.

17. Required texts/reading

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

Speech and Language Processing (2nd edition) Authors: Dan Jurafsky and James H. Martin ISBN-13: 978-0131873216, 2009. 18. Supplementary/recommended readings None 19. Course topical outline DATE TOPIC Introduction and NLP Tasks Week 1 Bag of Words Model and Text Similarity Week 2 Homework 1 posted. Week 3 Semantic Similarity Analysis Syntax and Parsing Week 4 Homework 1 due. Week 5 Language Modeling and Word Sense Disambiguation Part of Speech Tagging and Information Extraction Week 6 Homework 2 posted. Week 7 Supervised Learning Methods for NLP Unsupervised Learning Methods for NLP Week 8 Homework 2 due. Exam Week 9 Week 10 **Question Answering Systems** Week 11 **Document Summarization** Homework 3 posted. Sentiment Analysis Week 12 Deep Learning for NLP Week 13 Homework 3 due. Machine Translation, and Generation Week 14 Week 15 **Student Project Presentations** Final Exam Final project Report due.

From:Rainer Steinwandt <RSTEINWA@fau.edu> Sent:Thursday, November 5, 2020 10:54 AM To:Mihaela Cardei <mcardei@fau.edu> Cc:Hanqi Zhuang <zhuang@fau.edu> Subject:RE: CEECS - Course Perquisite Changes

Hello,

Sounds good. The proposed prerequisite of "Graduate Standing" makes the courses accessible to our graduate students, which is very welcome. There are no concerns from math w.r.t. this change. Thanks for checking.

Best, Rainer

From:Mihaela Cardei <mcardei@fau.edu> Sent:Thursday, November 5, 2020 10:50 AM To:Rainer Steinwandt <RSTEINWA@fau.edu> Cc:Hanqi Zhuang <zhuang@fau.edu> Subject:CEECS - Course Perquisite Changes

Hello Dr. Steinwandt,

CEECS department is changing prerequisites of the following graduate courses which are listed in the Cyber Security Certificate.

CDA5326 Cryptographic Engineering CIS5371 Practical Aspects of Modern Cryptography

The prerequisites are changed to Graduate Standing.

Changing of the prerequisites for these courses were discussed in UGPC yesterday November 4th, and the UGPC committee asked us to check with the other colleges where we have joint interdisciplinary programs. The next meeting, UGC, is on November 13 from 10:00 AM.

Please let us know if Mathematical Sciences has any objections to these prerequisite changes.

Best regards, Mihaela Cardei From:Kevin Wagner <kwagne15@fau.edu>
Sent:Thursday, November 5, 2020 10:26 AM
To:Mihaela Cardei <mcardei@fau.edu>
Cc:Hanqi Zhuang <zhuang@fau.edu>; Taghi Khoshgoftaar <khoshgof@fau.edu>
Subject:Re: MS DSA Steering Committee

Fine with me.

XMW

Kevin M. Wagner, J.D., PhD Professor and Chair, Department of Political Science President, FAU Faculty Senate Trustee, FAU Board of Trustees Director of the Jack Miller Forum Dorothy F. Schmidt College of Arts and Letters Florida Atlantic University 777 Glades Road Boca Raton, FL 33431 tel: 561-252-1794 fax: 561-297-2997 kwagne15@fau.edu Twitter: @kevinwagnerphd www.fau.edu/politicalscience



Florida has a very broad public records law. As a result, any written communication created or received by Florida Atlantic University employees is subject to disclosure to the public and the media, upon request, unless otherwise exempt. Under Florida law, e-mail addresses are public records.

On Thu, Nov 5, 2020 at 10:21 AM Mihaela Cardei <<u>mcardei@fau.edu</u>> wrote: Hello Dr. Wagner,

CEECS department is changing the prerequisites for the following courses which are listed in the MS DSA program:

CORE course in MS DSA: CAP6673: Data Mining and Machine Learning

ELECTIVE courses in MS DSA: CAP5615: Introduction to Neural Networks CAP6315: Social Networks and Big Data Analytics CAP6619: Deep Learning CAP6776: Information Retrieval CAP6777: Web Mining CEN6405: Computer Performance Modeling

The prerequisites are changed as follows: 6000 level courses - change to no prerequisites 5000 level courses - change to Graduate Standing

These courses were discussed in UGPC yesterday November 4th, and the UGPC committee asked us to check with MS DSA Steering Committee if they have any objections. The next meeting, UGC, is on November 13 from 10:00 AM.

Please let us know if the MS DSA Steering Committee has any objections.

Best regards, Mihaela Cardei From:Tamara Dinev <tdinev@fau.edu> Sent:Thursday, November 5, 2020 10:41 AM To:Mihaela Cardei <mcardei@fau.edu> Cc:Hanqi Zhuang <zhuang@fau.edu> Subject:RE: CEECS - Course Perquisite Changes

Thank you Dr. Cardei. I will come back soon

From:Mihaela Cardei <mcardei@fau.edu> Sent:Thursday, November 5, 2020 10:35 AM To:Tamara Dinev <tdinev@fau.edu> Cc:Hanqi Zhuang <zhuang@fau.edu> Subject:CEECS - Course Perquisite Changes

Hello Dr. Dinev,

CEECS department is changing prerequisites of the following graduate courses which are listed in the MS ITM and/or Big Data Analytics Certificate.

MS ITM: CEN 5035 is a core in CEECS concentrations only. Electives: CAP 5615, CAP 6315, CAP 6619, CAP 6640, CAP 6673, CAP 6776, CAP 6777, CEN 6405, CEN 5086

Big Data Certificate: CAP 5615, CAP 6315, CAP 6619, CAP 6640, CAP 6673, CAP 6776, CAP 6777, CEN 6405.

The prerequisites are changed as follows: 6000 level courses - change to no prerequisites 5000 level courses - change to Graduate Standing

These courses were discussed in UGPC yesterday November 4th, and the UGPC committee asked us to check with the other colleges where we have joint interdisciplinary programs. The next meeting, UGC, is on November 13 from 10:00 AM.

Please let us know if ITOM has any objections to these prerequisite changes.

Best regards, Mihaela Cardei