FLOR							
	BANNER POSTED						
Graduate Programs—NEW COURSE PROPOSAL ¹							
	COMPLITER SC IENCE						
DEPARTMENT. OLLOU							
Recommended Course Identification: 6106 PrefixCNTCourse NumberCOURSE NUMBERLAB CODE (L or C) Lab Code (L or C)COURSE NUMBER, CONTACT MJENNING@FAU.EDU)							
COMPLETE COURSE TITLE: VEHICU	JLAR NETWORKS			AGAINMENTATIONA CONTRACTOR			
CREDITS ² : 3 TEXTBOOK INFORMATION: Vehicular Networks from Theory to Practice, Olariu, Stephan (Editor) and Weigle, Michele C. (Editor), Chapman & Hall/CRC Press 2008, ISBN: 1420085883							
GRADING (SELECT ONLY ONE GRADI	NG OPTION): REGULAI	RX SATIS	FACTORY/UNSAT	SFACTORY			
Course Description, no more than three lines: A study of vehicular ad hoc networks routing and MAC protocols, broadcast protocols, applications, and performance modeling.							
PREREQUISITES *:	COREQUIS	SITES*: N/A	REGISTRATI	ON CONTROLS (MAJOR, COLLEGE, LEVEL)*:			
CNT 4104 INTRODUCTION TO DAT COMMUNICATIONS OR AN EQUIVAL NETWORKING COURSE	A ENT			S IN COMPUTER ENGINEERING, COMPUTER ND ELECTRICAL ENGINEERING.			
* PREREQUISITES, COREQUISITES ANI	* PREREQUISITES, COREQUISITES AND REGISTRATION CONTROLS WILL BE ENFORCED FOR ALL COURSE SECTIONS.						
MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE: PH.D.							
Faculty contact, email and complete phone number: Please consult and list departments that might be affected by the new course and attach							
Imad Mahgoub – <u>mahgoubi@fau.edu</u> – N/A 561-297-3458							
Approved by:		1	Date:	1. Syllabus must be attached; see			
Department Chair: Manager Endred			11/27/12	guidelines for requirements:			
College Curringham Chain I and Store C			4/22/10	www.jau.eau/provost/jiles/course syllabus.2011.pdf			
			1264				
College Dean:				2. Review Provost Memorandum:			
UGPC Chair: Why have have have have have have have have				www.fau.edu/provost/files/Definition			
Graduate College Dean:	boundant	perd.	1-29-14	Credit Hour Memo 2012.pdf			
UFS President:				Concert from off at 1 in the			
Provost:				(attach if necessary)			

Email this form and syllabus to <u>UGPC@fau.edu</u> one week before the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website prior to the meeting.

FAUnewcrseGrad—Revised September 2013

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

1. Course title/number, number of credit hours							
Vehicular Networks – CNT 🚱	ط اما ×	3 credit	hours				
2. Course prerequisites and corequisites							
Prerequisites: CNT 4104 Introduction to Data Communications or an equivalent networking course Corequisites: N/A							
3. Course logistics							
Term: This is a classroom lecture course. It is research-oriented Class location and time: TBD							
4. Instructor contact information							
Instructor's name Office address Office Hours Contact telephone number Email address	Dr. I. Mahgoub, Professor Engineering East Bldg., Room 421 TBD 561-297-3458 <u>mahgoubi@fau.edu</u>						
5. TA contact information			•				
N/A							
6. Course description							
A study of vehicular networks routing and MAC protocols, broadcast protocols, applications, and performance modeling.							
7. Course objectives/student learning outcomes							
To develop an understanding of the basic concepts of vehicular networks and their communications protocols and to examine the technical challenges encountered in the deployment of these networks.							
8. Course evaluation method							
Test1 Test2 Project	30% 35% 35%						
9. Course grading scale							
Grading Scale: 90 and above: "A", 87-89: "A-", 83-86: "B+", 80-82: "B", 77-79 : "B-", 73-76: "C+", 70-72: "C", 67-69: "C-", 63-66: "D+", 60-62: "D", 51-59: "D-", 50 and below: "F."							

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

10. Policy on makeup tests, late work, and incompletes

Makeup tests are given only if there is solid evidence of a medical or otherwise serious emergency that prevented the student from participating in the exam. Makeup exam should be administered and proctored by department personnel unless there are other pre-approved arrangements

Late work is not acceptable.

A grade of incomplete will be assigned only in the case of solid evidence of medical or otherwise serious emergency situation.

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. Disability policy statement

In compliance with the Americans with Disabilities Act (ADA), students who require special accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) located in Boca Raton campus, SU 133 (561) 297-3880 and follow all OSD procedures.

URL to be added.

14. Honor code policy

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 unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and place high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. See University Regulation 4.001 at www.fau.edu/regulations/chapter4/4.001 Code_of_Academic_Integrity.pdf

15. Required texts/reading

Vehicular Networks from Theory to Practice, Olariu, Stephan (Editor) and Weigle, Michele C. (Editor), Chapman & Hall/CRC Press 2008, ISBN: 1420085883

16. Supplementary/recommended readings

The textbook is supplemented by research articles posted on Blackboard under course Content.

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

17. Course topical outline, including dates for exams/guizzes, papers, completion of reading						
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Lecture Topics	Approximate # of 1.5 hr. Lectures					
1. Introduction	2					
2. WAVE Standard	3					
3. Vehicle Localization	1					
4. Routing protocols	3					
5. Broadcast protocols	3					
6. Geo-cast protocols	1					
7. Aggregation	2					
8. MAC protocols	2					
Scalability issues	2					
10. Privacy and security issues	3					
11. Performance modeling	3					
12. Applications	3					
13. Tests	2					
Exam Dates: TBD						

CNT6XXX Vehicular Networks Imad Mahgoub