**DEPARTMENT:** CEECS  
**COLLEGE:** ENGINEERING AND COMPUTER SCIENCE

**Recommended Course Identification:**
- **Prefix:** ___  
- **CNT:** ___  
- **Course Number:** ___  
- **Lab Code:** (L or C) ___  

*(TO OBTAIN A COURSE NUMBER, CONTACT MJENNING@FAU.EDU)*

**Complete Course Title:** VEHICULAR NETWORKS

**Credits:** 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 grading option):**
- Regular  
- Satisfactory/Unsatisfactory

**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:**
- CNT 4104 INTRODUCTION TO DATA COMMUNICATIONS OR AN EQUIVALENT NETWORKING COURSE

**Corequisites:** N/A

**Registration Controls (Major, College, Level):**
- GRADUATES IN COMPUTER ENGINEERING, COMPUTER SCIENCE, AND ELECTRICAL ENGINEERING.

*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:**
Imad Mahgoub — mahgoubi@fau.edu — 561-297-3458

**Approved by:**
- **Department Chair:**  
- **College Curriculum Chair:**  
- **College Dean:**  
- **UGPC Chair:**  
- **Graduate College Dean:**  
- **UFS President:**  
- **Provost:**

**Date:**
- 11/27/13
- 11/27/13
- 12/12/13
- 1/28/14
- 1/29/14

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Email this form and syllabus to UGPC@fau.edu 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*
1. **Course title/number, number of credit hours**

| Vehicular Networks – CNT 6106 | 3 credit hours |

2. **Course prerequisites and corequisites**

   **Prerequisites:** CNT 4304 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:** Dr. I. Mahgoub, Professor
   - **Office address:** Engineering East Bldg., Room 421
   - **Office Hours:** TBD
   - **Contact telephone number:** 561-297-3458
   - **Email address:** mahgoubi@fau.edu

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**

   - **Test 1:** 30%
   - **Test 2:** 35%
   - **Project:** 35%

9. **Course grading scale**

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International Student Affairs (ISA)
## 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](http://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.
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<th>Lecture Topics</th>
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<td>3. Vehicle Localization</td>
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<td>12. Applications</td>
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Exam Dates: TBD