ECE 741 Wireless Networks

Prerequisites: ECE 528 and ECE 542, or equivalent

Spring semester 2017
Time: Monday 4:30 - 7:10 pm
Location: Innovation Hall 1133

Professor: Bijan Jabbari
Office: Eng. Bldg, Room 3232
Phone: 703.993.1618
Email: bjabbari at gmu dot edu
Web: http://cnl.gmu.edu/

Office hours: Mondays 2:15 - 3:30 pm, other times by appointment

Goals: This class will cover necessary theoretical foundation and state of the art performance evaluation methods for wireless networks. In a nutshell, this course will give you the basis for understanding the radio and infrastructure aspect of the wireless networks. For a detailed list of topics covered in class and a schedule please visit: http://cnl.gmu.edu/bjabbari/courses/ece741_2017/ece741.html

Textbooks References and Additional Readings:
1. Class notes will be distributed
6. Additional references and readings will be posted on the course web pages and assigned in class.

Grading:
There will be homework assignments/projects (possibly requiring a model development on a computer), a mid-term and final exams, and a term-paper. The acceptable paper topics and the associated timetable will be discussed in class. It would be preferable if your term paper included writing a software program to model a specific aspect of mobility and teletraffic. They will count towards the grade as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>5%</td>
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<tr>
<td>Term-paper</td>
<td>20%</td>
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<tr>
<td>Mid-term Examination</td>
<td>35%</td>
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<tr>
<td>Final Examination</td>
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The mid-term will be on Monday March 20. The final exam is scheduled for Monday May 15.