# GEORGE MASON UNIVERSITY
**_Electrical and Computer Engineering Department_**
**Information Sheet**


## ECE 741 Wireless Networks (3:3:0)
**Prerequisites**: ECE 642
**Spring semester 2001**

**Time:** Thursdays 7:20-10:00 pm
**Location:** ST, Room 112

**Professor:** Bijan Jabbari
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**Office hours:**  Thursdays          4:30 - 6:15 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.

**Textbooks** References and Additional Readings:

1. Class notes will be distributed
2. D. Bertsekas and R. Gallager, *Data Networks*, 2nd ed., Prentice-Hall, 1992.
3. V. Garg and J. Wilkes, *Wireless and Personal Communications Systems*, Prentice-Hall, 1996.
4. Selected readings from the IEEE Transactions on Vehicular Technology, IEEE/ACM transactions on Networking, IEEE Journal on Selected Areas in Communications (JSAC), IEEE Transactions on Communications, IEEE Communications Magazine and IEEE Personal Communication Magazine and other technical journals.
5. Additional references and readings will be given in class.

**Grading:**
          **There will be homework assignments** (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:**
          **Homework 5%**
          **Term-paper 25%**
          **Mid-term Examination 30%**
          **Final Examination 40%**

**Exams: The mid-term will be on Thursday March 29. The final exam is scheduled for Thursday May 3.**