

ECE 201
Introduction to Signal Analysis (Lab)

Summer 2009
Tuesdays and Thursdays (5:00 to 6:50pm), Saturdays (12:15 to 2:20pm)
Innovation Hall, Room 222

Lecture Instructor
Dr. B.-Peter Paris  pparis@gmu.edu
Engineering Building, Room 3304
703-993-1559 (ECE Office)

Lab Instructor
Anish Mitra  amitra1@gmu.edu
Engineering Building, Room 3204
Tuesdays (4:00 to 5:00pm), Thursdays (4:00 to 5:00pm)

Course Website :  http://shiner.spec.gmu.edu/ pparis/classes/ece201.html

Required Text :  DSP First A Multimedia Approach
                 by J.H. McClellan, R.W. Schafer, M.A. Yoder,
                 Prentice Hall, 1998

Lab Policies

• Attendance in all Labs and exams in mandatory

• Notify the instructor in advance if you must miss a particular lab or exam.
  Make up exams must be scheduled atleast 1 week prior to the exam date.

• If you miss an exam for an unexcused reason you will NOT be given a
  makeup time.

• Reports must be written and submitted in hard copy at the beginning of
  the next lab class.

• Late reports will be penalised by 25% per class.

• No reports will be accepted after the beginning of the final exam.

• The university honor code applies to all labs and exams.
Weekly Schedule

May 19th, 2009  Lab 1 : Introduction to MATLAB
May 21st, 2009  Lab 2 : Plotting in MATLAB
May 23rd, 2009  No Class
May 26th, 2009  Lab 3 : Complex Numbers in MATLAB
May 28th, 2009  Lab 4 : MATLAB Functions
May 30th, 2009  Lab 5 : Complex Exponentials
June 2nd, 2009  Midterm Exam
June 4th, 2009  Lab 5 : Complex Exponentials (continued)
June 6th, 2009  Lab 6 : AM & FM Signals - Part I
June 9th, 2009  Lab 7 : AM & FM Signals - Part II
June 11th, 2009 Lab 8 : Filtering Sampled Waveforms
June 13th, 2009 Review Class
June 16th, 2009 Final Exam

Grading :

8 Lab Assignments 40%
1 in-Lab Midterm exam 20%
1 in-Lab Final exam 40%

The total lab score will make up 20% of the final grade for the course