ECE 201
Introduction to Signal Analysis (Lab)

Fall 2008

Lecture Instructor

Dr. Joseph Hibey  jhibey@gmu.edu
Science and Technology II, Room 235
Tuesdays (1:00 to 2:00pm), Thursdays (1:00 to 2:00pm)
703-993-1569 (ECE Office)

Lab Instructors

Anish Mitra  amitra1@gmu.edu
Sections 201 and 202
Science and Technology II, Room 265
Mondays (12:00 to 2:00pm), Thursdays (12:00 to 2:00pm)

Shahriar Behnamian  sbehnami@gmu.edu
Section 203
Science and Technology II, Room 265
Fridays (9:30am to 1:30pm)

TA Mailboxes are in the hallway near Room 208, S&T II

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

Weekly Schedule for sections 201 and 202 :

September 2nd, 2008  Lab 1 : Introduction to MATLAB
September 9th, 2008  Lab 2 : Plotting in MATLAB
September 16th, 2008  Lab 3 : Complex Numbers in MATLAB
September 23rd, 2008  Lab 4 : MATLAB Functions
September 30th, 2008  Lab 5 : Complex Exponentials
October 7th, 2008  Midterm Exam
October 14th, 2008  No Class
October 21st, 2008  Lab 5: Complex Exponentials (continued)
October 28th, 2008  Lab 6: AM & FM Signals - Part I
November 4th, 2008  Lab 7: AM & FM Signals - Part II
November 11th, 2008  Lab 8: Filtering Sampled Waveforms
November 18th, 2008  Review Class
November 25th, 2008  Final Exam

Weekly Schedule for section 203:

September 5th, 2008  Lab 1: Introduction to MATLAB
September 12th, 2008  Lab 2: Plotting in MATLAB
September 19th, 2008  Lab 3: Complex Numbers in MATLAB
September 26th, 2008  Lab 4: MATLAB Functions
October 3rd, 2008  Lab 5: Complex Exponentials
October 10th, 2008  Midterm Exam
October 17th, 2008  Lab 5: Complex Exponentials (continued)
October 24th, 2008  Lab 6: AM & FM Signals - Part I
October 31st, 2008  Lab 7: AM & FM Signals - Part II
November 7th, 2008  Lab 8: Filtering Sampled Waveforms
November 14th, 2008  Review Class
November 21st, 2008  Final Exam

Labs can be downloaded from http://mason.gmu.edu/~sbehnami/ece201

Lab reports are due by the following week, at the beginning of the new lab. Points will be deducted for late submissions (10% per day), and submissions more than a week late will not be accepted.

Grading:

8 Lab Assignments  40%
1 in-Lab Midterm exam  30%
1 in-Lab Final exam  30%

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

The University Honor Code applies to all labs and exams.