Signals and Systems I Lab
ECE 220 – Section 201 & 202
Spring 2009

<table>
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<tr>
<th>Section 201</th>
<th>Section 202</th>
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<tr>
<td><strong>Lab</strong></td>
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<tr>
<td><strong>Location:</strong> Science &amp; Technology II, Room 128</td>
<td><strong>Location:</strong> Science &amp; Technology II, Room 124</td>
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<tr>
<td><strong>Hours:</strong> Tuesdays, 10:30 am - 12:20 pm</td>
<td><strong>Hours:</strong> Wednesdays, 1:30 pm - 3:20 pm</td>
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<tr>
<td><strong>Instructor:</strong> Hossein Ghaffari Nik</td>
<td><strong>Instructor:</strong> Akram Baharlouei</td>
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<tr>
<td><strong>Email:</strong> <a href="mailto:hghaffar@gmu.edu">hghaffar@gmu.edu</a> (Preferred)</td>
<td><strong>Email:</strong> <a href="mailto:abaharlo@gmu.edu">abaharlo@gmu.edu</a> (Preferred)</td>
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<tr>
<td><strong>Phone:</strong> (703) 993 – 1563</td>
<td><strong>Phone:</strong> (703) 993 – 1566</td>
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<td><strong>Office</strong></td>
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<td><strong>Location:</strong> Science &amp; Technology I, Room 2E</td>
<td><strong>Location:</strong> Science &amp; Technology II, Room 265</td>
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<tr>
<td><strong>Hours:</strong> Tuesdays, 3 pm - 5 pm; Fridays, 12:30 pm - 2:30 pm</td>
<td><strong>Hours:</strong> Wednesdays, 4 pm - 8 pm</td>
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Course Website: [http://mason.gmu.edu/~hghaffar/ECE220.html](http://mason.gmu.edu/~hghaffar/ECE220.html)

Lab Policies:

- The George Mason University Honor Code applies to all aspects of ECE 220.
- Attendance at all labs is mandatory. Dr. Hibey needs to be notified for any exceptions, only his permission would excuse an absent.
- Each student is required to do the advance preparation before coming to the lab.
- A pop quiz may be given at the beginning of each lab to test your level of preparation.
- **There will be no group work; each student is required to complete all the projects individually.**
- You must present your completed and working project to the instructor for each lab.
- **Lab reports must be submitted by each student in print at the beginning of the lab period within 1 week of project completion.**
- **Late submission of a report will reduce its grade by 15% per week.**
- Lab reports must be legible including your Matlab code, plots, analytical work and answer to any question asked in the experiment.
- **Instructors may ask you to submit your working Matlab scripts (M-files) electronically for each project.**
Lab Grading:

If you have completed the entire ECE 220 lab projects, your lab grade will be determined as follows:

- Participation & Attendance: 20%
- Project Reports: 30%
- Midterm Exam: 25%
- Final Exam: 25%

Tentative Calendar:

- 01/(27,28)/09: Project #1: Basic signals and signal manipulations
- 02/04/09: Last day to drop with no tuition penalty
- 02/(03,04)/09: Project #1
- 02/10/09: Last day to drop with a 33% tuition penalty
- 02/(10,11)/09: Project #2: Convolution
- 02/(17,18)/09: Project #2
- 02/20/09: Last day to drop with a 67% tuition penalty (Last day to drop)
- 02/(24,25)/09: Project #3: Analysis of first order systems
- 03/(03,04)/09: Project #3
- 03/(10,11)/09: March 9 to 15 - Spring Break (Saturday classes meet March 7)
- 03/(17,18)/09: Midterm Exam
- 03/(24,25)/09: Project #4: Analysis of second order systems
- (03,04)/(31,01)/09: Project #4
- 04/(07,08)/09: Project #5: Periodic signals, Fourier series
- 04/(14,15)/09: Project #5
- 04/(21,22)/09: Project #6: Frequency response, filtering
- 04/(28,29)/09: Project #6
- 05/05/09: Final Exam
- 05/05/09: Last day of classes