ECE 101-203
Introduction to Electrical/Computer Engineering (Lab)
Spring 2016

Thursdays (3.30 PM to 5.20 PM)
Engineering Building, Room 3203

Lab Instructor:

Lakshmi Bhamidipati  lbhamid2@gmu.edu
Engineering Building, Room 3203

Office Hours:  Mondays: 10:00 am-1:00pm
              Fridays: 10:00 am-11:00am

Lab Policies:

• **Attendance in all Labs and exams are mandatory.** Notify me in advance if you must miss a lab.

• **Notify the instructor in advance if you must miss an exam.** Make up exams must be scheduled at least 1 week prior to the exam date.

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

• As stated in the lab manual, it is important that each student does the advance preparation before coming to the lab.

• Each student will work equally with a partner to complete the experiment.

• Students must show me the complete operational circuit in lab in order to receive credit. I will then sign and date your experiment.

• Lab experiments must be completed within two weeks of assignment.

• Late Lab Reports **will not be accepted after 1 week of assignment.**

• No reports will be accepted after the start time of your section's final exam.
• Lab Reports must be legible. Carefully follow the Lab Report guide in your lab manual.
• The GMU Honor Code applies to all aspects of this lab.

Grading:
Lab Assignments 60%
1 in-Lab Midterm Exam 15%
1 in-lab Final Exam 25%

Weekly Schedule:
January 21st, 2016 Introduction
January 28th, 2016 Lab 1: Laboratory Fundamentals
February 4th, 2016 Lab 2: DC Circuits
February 11th, 2016 Lab 3: Simple Communication System
February 18th, 2016 Lab 4: Introduction to Oscilloscope
February 25th, 2016 Lab 5: Simple Filtering
March 3rd, 2016 Lab Midterm (Practical Part-In the lab)
March 10th, 2016 No class (Spring Break)
March 17th, 2016 Lab 6a: Transistor Fundamentals-Transistor Characteristics
March 24th, 2016 Lab 6b: Transistor Fundamentals-Transistor as a Switch
March 31st, 2016 Lab 7: Transistor as an Amplifier
April 7th, 2016 Lab 8: Combinational Logic
April 14th, 2016 Lab 9: Smart Buttons (Extra Credit)
April 21st, 2016 Lab Final Exam (Practical part-In the lab)