ECE 101-204
Introduction to Electrical/Computer Engineering (Lab)
Spring 2016
Mondays (1.30 PM to 3.20 PM)
Engineering Building, Room 3203

Lab Instructor:
Arun Bhargav Palaparthy apalpar@gmu.edu
Engineering Building, Room 3203
Office Hours: Friday 1pm – 5pm

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 25th, 2016  Introduction
February 1st, 2016  Lab 1: Laboratory Fundamentals
February 8th, 2016  Lab 2: DC Circuits
February 15th, 2016 Lab 3: Simple Communication System
February 22nd, 2016 Lab 4: Introduction to Oscilloscope
February 29th, 2016 Lab 5: Simple Filtering
March 7th, 2016  Lab Midterm (Practical Part-In the lab)
March 14th, 2016  No class (Spring Break)
March 21st, 2016  Lab 6a: Transistor Fundamentals - Transistor characteristics
March 28th, 2016  Lab 6b: Transistor Fundamentals - Transistor as a switch
April 4th, 2016  Lab 7: Transistor as an Amplifier
April 11th, 2016  Lab 8: Combinational Logic
April 18th, 2016  Lab 9: Smart Buttons (Extra Credit)
April 25th, 2016  Lab Final Exam (Practical part-In the lab)