EEG 101L
INTRODUCTION TO ENGINEERING EXPERIENCE

SYLLABUS

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
UNIVERSITY OF NEVADA, LAS VEGAS

Neil Ocampo
Dr. Venki Muthukumar
**INTRODUCTION**

As engineers we will always be treading on unfamiliar territory. It's important to never get caught up and go at your own pace when understanding something new and different. The field is also ever changing, as are the components used to do these experiments. Please make sure to consult datasheets whenever possible. This is a great rule of thumb when dealing with any new component, as you never know if component revisions have changed anything in particular. As you go through the following series of experiments, don’t be afraid to ask your instructors questions or to ask for help when you are unsure of something.

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EGG 101L Lab contains the following experiments:

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- Lab 2: Introduction to Arduino IDE and Programming
- Lab 3: Introduction to the Arduino UNO and Danger Shield
- Lab 4: Introduction to Electrical and Computer Engineering
- Lab 5: LED Blink and AC vs DC
- Lab 6: Input and Output Interfacing
- Lab 7: Buzzer with LDR
- Lab 8: Introduction to Breadboards
- Lab 9: DC Motor Control
- Lab 10: Sensors
- Lab 11: Design Project