



## **EECS 211: Electrical Engineering II**

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### **Goals**

This laboratory manual combines six experiments designed to introduce you to the world of electronics and electrical signals. We will concentrate on applications to audio circuits. Please approach the labs with curiosity and a "what if..." approach. Ask questions and try other circuits if you wish (always keeping safety in mind).

### **Equipment**

- Agilent E3631A Triple output DC power supply
- Agilent 33120A Function Generator
- Agilent 34401A Multimeter
- Written for Agilent 54645A Oscilloscope (could substitute 54622A Oscilloscope)

### **Experiments**

- EECS 211 Laboratory Manual
- EECS 211 TA/Professor Laboratory Manual
- Experiment 1: Active Low Pass Filter
- Experiment 2: Active Band-Pass Filters
- Experiment 3: Full-Wave Diode Rectifiers
- Experiment 4: Linear and Non-Linear Diode Analysis, AM...
- Experiment 5: AM Optical Link
- Experiment 6: FM Optical Link