**Lab 3: Title**

**Your Name**

Your Major

Your Minor or Second Major (if applicable)

**ABSTRACT**

The usual stuff.

**METHODS**

1. Include a figure showing a system block diagram of the entire ECG system. Your diagram must include blocks for the *measurand*, *sensor*, *signal conditioning*, *data acquisition*, *signal processing*, and *display*. **The label for each block must summarize the details of implementation**.

Note #1: “Sensor” is just the electrodes.

Note #2: The “Signal Conditioning” block will be very large, since the circuit has many stages.

Note #3: Just put “none” in the “Signal Processing” block because we simply displayed the acquired data.

1. Briefly describe the purpose of each section of the signal conditioning electronics (e.g. the diodes, high-pass filter, the optoisolator, …).

**EXPERIMENTS AND RESULTS**

1. Briefly describe how you tested your circuit before making a live ECG recording.
2. Include the ECG waveform and photo of your working circuit.

**DISCUSSION**

1. What was straightforward to build?
2. What was the most difficult?

**CONCLUSIONS**

The usual stuff.