CPEG 222 – Project 3 Demo Grading
Arbitrary Waveform Generator

1. **Waveform output: 40 pts**

   10 point deduction for each item not satisfied. Max deduction = 40 points
   - Continuous through each period (i.e., no glitches)
   - Low noise
   - Amplitude approximately +/- 1.2 V
   - No DC offset
   - Relatively smooth (i.e., no major jaggies)

2. **Operation: 20 pts**

   10 point deduction for each item not satisfied. Max deduction = 20 points
   - Toggle switches selects waveform type
   - Waveform period entered via keyboard in milliseconds.
   - Range of waveform period should be approximately 10 – 100 milliseconds (100 – 10 Hz).
   - Waveform period accuracy should be 1 millisecond or better.

3. **Waveform selection: 30 pts**

   10 point deduction for each waveform not generated. Max deduction = 30 points
   - Sinusoidal
   - Exponential
   - Triangle

4. **Customer Satisfaction: 10 pts**

   Your customer (the TA) will award a maximum of 10 points that reflects his/her satisfaction with your project. A 10 point deduction for each item below will be assessed. Max deduction = 10 points
   - Messy wiring
   - Waveform selection switches not clearly labeled
   - Quirky operation
   - Unfamiliarity with any aspect of your project
   - Late for your demo
   - Poorly presented demo

**Other**

Your project notebook must be turned in at the time of your demonstration. No documentation will be accepted after the demo.

The total project grade is 25% design notebook and 75% demonstration.