

## CPEG 222 – Project 4 Demo Grading

### 1. Record/Playback Sound Quality: 40 pts

This part will be done using the Record mode and a sampling rate of your choice. You will speak into the microphone and record your voice. The TA will play back the recorded sound several times to judge quality.

- 40 pts if sound is POTS quality
- 35 pts if fairly good
- 20 pts if fair
- 10 pts if intelligible
- No credit if unit only hisses

### 2. Playback Different Rates: 20 pts

Using a sound record obtained in # 1 you will demonstrate playback at two different rates.

- 10 pts for demonstrating playback using a double rate
- 10 pts for demonstrating playback using a half rate

### 3. Sampling Duration: 20 pts

Using the recording from part 1.

- 4 pts awarded for every second of sound recorded and played back.

### 4. Operation: 10 pts

5 point deduction for each item not satisfied. Max deduction = 10 points

- Push buttons start Record and PlayBack
- LED turns on during Record.

### 5. 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
- 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.