

ECE-231 grading rubric for Lab Assignment#8.3

Version 1.1

The video should demonstrate the following:

1. Your system shall measure the range (distance) to objects placed >5 cm and <200 cm from the ultrasound sensor.
2. The system shall display range in both cm and inches on the OLED display.

For requirement 1, it is not necessary that students demonstrate the full range of measurements from 5 to 200 cm, but it should be clear from the video that the system is able to measure and display distance.

Grading Rubric:

10 Points. Video correctly demonstrates items 1 and 2 above.

7 Points. Video correctly demonstrates cm or inches but not both.

Once this score is calculated, deduct 20% per day late penalty. Anything that is submitted up to 24 hours late is assessed 20% late penalty; 24- 48 hours is to be assessed a 40% late penalty, etc.

This is version 1.1 of this document.Updated 4/9/24 by D. McLaughlin