

Presenters: \_\_\_\_\_

# ENGR 121 – Fishtank Presentation

## Organization and Clarity ..... 10 points maximum

Score = (0 1 2 3 4 5 5.5 6 6.5 7 7.5 8 8.5 9 9.5 10) X 1 = \_\_\_\_\_

Does the presentation include an introduction and a conclusion?

Is the presentation organized in a logical manner?

## Technical Content..... 55 points maximum

Score = (0 1 2 3 4 5 5.5 6 6.5 7 7.5 8 8.5 9 9.5 10) X 5.5 = \_\_\_\_\_

System components described?

Salinity control system

- Overview of operation (pictures)
- Description of system components (pictures, specs, and cost)
- Circuit diagram and explanation (power supply, transistor, relay, interface to Arduino)
- Calibration of conductivity sensor, equation
- Programming and control
- Reliability issues

Temperature control system

- Overview of operation (pictures)
- Thermistor (picture, calibration & equation)
- Description of heater (specs)
- Circuit diagram and explanation (power supply, transistor, relay, interface to Arduino)
- Programming and control
- Reliability issues

Overall system operation

Discussion of what worked well and what could be improved

## Timing..... 5 points maximum

Score =  $(7 - \text{_____}) / 7 \times 10 = \text{_____}$

Plus two or minus one *minute grace period* (allowable time with no deductions is from 6 to 9 minutes). If you go over 10 minutes, you will lose all 5 timing points.

## Visual Aids ..... 20 points maximum

Score = (0 1 2 3 4 5 5.5 6 6.5 7 7.5 8 8.5 9 9.5 10) X 2 = \_\_\_\_\_

Does the presentation begin with an overhead with the presenters name and topic?

Does the presenter have at least 7 overheads (title page + 2)?

Do the overheads contain graphics (pictures, plots, other)?

Does the presentation have an attractive background / scheme?

Is the font large enough to read from the back of the room?

## Delivery..... 10 points maximum

Score = (0 1 2 3 4 5 5.5 6 6.5 7 7.5 8 8.5 9 9.5 10) X 1 = \_\_\_\_\_

Do the presenters make eye contact with the audience?

Are the presenters expressive, and do they show appropriate posture and movement.

Did all group members participate by speaking?

Are the presenters professionally dressed?