

# OIA Lab 2: In Class Assignment

BIOE 385 Bioinstrumentation Laboratory

*Print a copy of this sheet and bring it to lab!*

**Student Name:** \_\_\_\_\_ **Total Grade:** /20

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Have the Instructor or Teaching Assistant initial that you have demonstrated successful completion of each task where designated.

## In-Lab Assignment

- Build a circuit to control the amount of light emitted from the LED. \_\_\_\_\_/6  
TA check: \_\_\_\_\_
- Build the circuit depicted in the FDS 100 package insert to detect the light from the photodetector. \_\_\_\_\_/7  
TA check: \_\_\_\_\_
- Build the circuit using an OP07 Op Amp to convert current from the photodetector to voltage in order to detect the light from the photodetector \_\_\_\_\_/7  
TA check: \_\_\_\_\_