

# Project 2: EMG Reflex Assignment (EMG)

BIOE 385 Bioinstrumentation Laboratory

Written Report DRAFT Rubric

**Student Name:**

**Student Name:**

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

**Student Name:**

## User manual - summary and description of project (4 points total)

- Explanation of device goals and function \_\_\_\_\_/1
- Physiological relevance \_\_\_\_\_/1
- Brief summary of equipment/technology used \_\_\_\_\_/1
- Positive features ("selling points") of the device \_\_\_\_\_/1

## User manual - instructions (4 points total)

- Instructions are well formatted and easy to follow \_\_\_\_\_/1
- Instructions are comprehensive, including: hardware setup, subject prep, and test procedure \_\_\_\_\_/1
- Helpful/correct pairing of text and figures \_\_\_\_\_/1
- Includes a section on safety \_\_\_\_\_/1

## Technical specifications (6 points total)

- Summary of device goals and function, including metrics for successful design \_\_\_\_\_/1
- Correctly annotated circuit drawings \_\_\_\_\_/1
- Description of expected signals (amplitude, frequency) \_\_\_\_\_/1
- Circuits characterized appropriately (i.e. Bode plots) \_\_\_\_\_/1
- Justification of hardware design \_\_\_\_\_/1
- Challenges of interfacing living and nonliving systems described \_\_\_\_\_/1

## Figures (4 points total)

- Appropriate resolution, brightness, and contrast \_\_\_\_\_/1
- Figure sizes are appropriate and consistent \_\_\_\_\_/1
- Figures are well-explained with captions and/or in text \_\_\_\_\_/1
- Figures highlight relevant information (labeling, cropping, highlighting) \_\_\_\_\_/1

## Format, grammar, readability (6 points total)

- Table of contents with page numbers (and appendix, if applicable) \_\_\_\_\_/1
- Informative headings are used \_\_\_\_\_/1
- Concise sentences and accurate language \_\_\_\_\_/2
- Grammar, spelling, and punctuation \_\_\_\_\_/1
- Consistent numbering, capitalization, font size, bullets, etc. \_\_\_\_\_/1