

Project 2: EMG Reflex Assignment (EMG)

BIOE 385 Bioinstrumentation Laboratory

Written Report DRAFT Rubric

Student Name:

Student Name:

Total Grade: ____/10

Student Name:

User manual - summary and description of project (2 points total)

- Explanation of device goals and function ____/0.5
- Physiological relevance ____/0.5
- Brief summary of equipment/technology used ____/0.5
- Positive features ("selling points") of the device ____/0.5

User manual - instructions (1 point total)

- Instructions are comprehensive, including: hardware setup, subject prep, and test procedure ____/0.5
- Includes a section on safety ____/0.5

Technical specifications (3 points total)

- Summary of device goals and function, including metrics for successful design ____/0.5
- Correctly annotated circuit drawings ____/0.5
- Description of expected signals (amplitude, frequency) ____/0.5
- Circuits characterized appropriately (i.e. Bode plots) ____/0.5
- Justification of hardware design ____/0.5
- Challenges of interfacing living and nonliving systems described ____/0.5

Figures (1 point total)

- Appropriate resolution, brightness, and contrast ____/0.5
- Figures are well-explained with captions and/or in text ____/0.5

Format, grammar, readability (3 points total)

- Table of contents with page numbers (and appendix, if applicable) ____/0.5
- Informative headings are used ____/0.5
- Concise sentences and accurate language ____/1
- Grammar, spelling, and punctuation ____/0.5
- Consistent numbering, capitalization, font size, bullets, etc. ____/0.5