

# Introduction to Neural Engineering

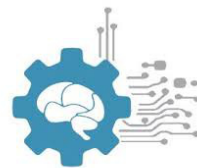
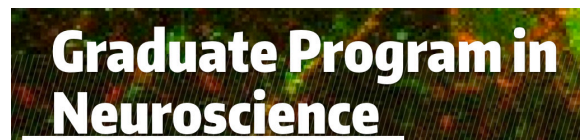
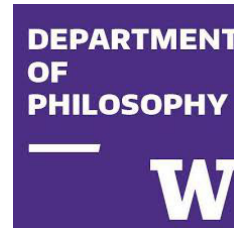
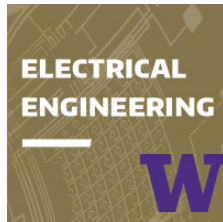
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## Class structure

- Video lectures
- Weekly assignments
  - Grading rubrics
  - Sample assignments
- Lab activities
  - Instructions
  - Write-up instructions
  - Sample write-ups
- Exams
  - Vocabulary quiz (given at end of neuroscience unit)
  - Final exam (given at end of course)
- Project
  - Grading rubric
  - Sample topics

## Guest instructors



## Class goals

- Learn about some of the **goals of neural engineering** and **who is involved** (research, medicine, users)
- Learn about many of the features **of the nervous system and body** that neural engineering must consider
- Be able to describe **what neural engineering is**, what a neural engineering **system might include**, and **who would use** a neural engineering treatment

## Core questions

- What is neural engineering?
- Why do we want to do neural engineering?
- Who benefits from this work?
- What do we need to know about the brain and body in order to do neural engineering right?
- What can neural engineering do that can't be done with other forms of treatment?