Neurological damage or abnormalities are the leading cause of major, long-term physical disability. Thus, it is important to understand the alterations that occur in neural activity and how those changes impact sensorimotor control in order to design interventions. Electromyography (EMG) and electroencephalography (EEG) enable evaluation of the peripheral and central nervous systems, respectively. This qualifier exam will focus on the processing and interpretation of EEG and EMG signals to reveal properties of neural control. It will consist of two components:

1. In-class exam
   * June 29, 10am-12pm
   * Open book
   * Will cover topics in the assigned reading
2. Take-home exam
   * June 29, 12pm – June 30, 12 pm
   * Processing of EMG and EEG signals using MATLAB
   * https://www.mathworks.com/help/signal/