

Independent Study Process – Some Guidelines for BME

This document aims to provide some guidelines for how to complete an application for Independent Study in the BME Department. Before completing this form, students should have been in contact with the Professor under whose supervision they plan to carry out their independent study. From these discussions, it should be clear to the student what the expectations are for successfully completing the independent study. In particular, it should be clear how big a time commitment is expected and whether that time commitment will require significant blocks of time to be dedicated to the work; it would be expected, for example, that significant blocks of time would be required of students who wish to engage in laboratory research. Also, before embarking on independent study, it should be clear to students what kind of deliverables they are expected to produce at the end of the independent study.

Subject Area: Please select BME if, and only if, the work is to be carried out under the supervision of a PI associated with BME. Even if you are a BME major, research carried out in the labs of PIs that are not associated with BME should *not* be submitted with BME as the subject area. If in doubt, please confirm with your proposed supervisor.

Course #:

- Please select 391 if the goal is to carry out reading or design outside of the PIs research lab.
- Please select 395 if the goal is to carry out research work within the PIs research lab.

Credit:

The BME department would expect about 4 hours of work per week for each credit

- 4 credits – this should be of the order of 16 hours of effort per week for the semester.
- 2 credits – this should be of the order of 8 hours of effort per week for the semester.

Course Title: This is what will appear on your transcript, so please give an information title regarding the planned work, e.g., “Modeling knee cartilage”. Only 28 characters are available.

Course Description: Please give 1 sentence description for each of the following: the background, the goal, the approach/skills learned. Only 240 characters. For example,

- Builds on a brain-computer interface design recently introduced by the PI.
- Aims to develop audio/visual stimuli that elicit robust brain responses.
- Stimuli will be developed and will be tested in EEG experiments with human subjects.

Course Evaluation: Please list all of the following methods that will be used to evaluate this work. **NB:** At least one of the deliverables must be some form of final written report.

- Written report(s) – there must be some form of written report. This could be:
 - A technical report with some background, methods/results/findings, and a conclusion.
 - An abstract, short paper or mini-grant proposal
- Regular meetings
- Journal records
- Progress reports
- Oral and/or poster presentations