

# Mini Projects Overview Fall 24

There will be three mini projects for EGR 345 fall 24:

1. Pendulum vibration suppression with the pendulum in the down position
2. Vibration suppression for the 3-D printed beam with the accelerometer at the tip
3. Pendulum stabilization in the pendulum up position

For each mini project, you are responsible for finding the transfer function and performing root locus control design. At the completion of the projects, you will demonstrate the final performance of your feedback control system, and a portion of your grade will be based on that performance. All of the projects are due the Friday before final exams (12/6).