6.832 - Underactuated Robotics
Course Information

December 28, 2007

Instructor: Russ Tedrake (russt@mit.edu)
Office hours: By appointment, 32-232

TA: Rick Cory (recory@mit.edu)
Office hours: TBD

Lectures: TR 2:30 - 4pm, 32-144
Course Website: http://stellar.mit.edu/S/course/6/sp08/6.832/

Required Work

This is a graduate class, and it will be treated as such. Lectures will be supplemented by approximately 6 problem sets through the term, and a final project will take the place of a final exam. Collaboration on problem sets is permitted, but each student must hand in their own assignment. Projects can be done individually, or in teams of two. If projects are done in a team, the contribution of each group member must be clear from the final report.

The problem sets will make use of some MATLAB simulations. These simulations may be useful as a starting point for final projects; many of the simulations are based on real robots (which also run MATLAB) that we have built in the Robot Locomotion lab. It may be possible for some promising final projects to make use of this hardware.

Grading System

60% of the final grades will be based on the problem sets, 40% will be based on the final project. Late problem sets will be penalized 10% per day.

Relevant Textbooks (not required)


