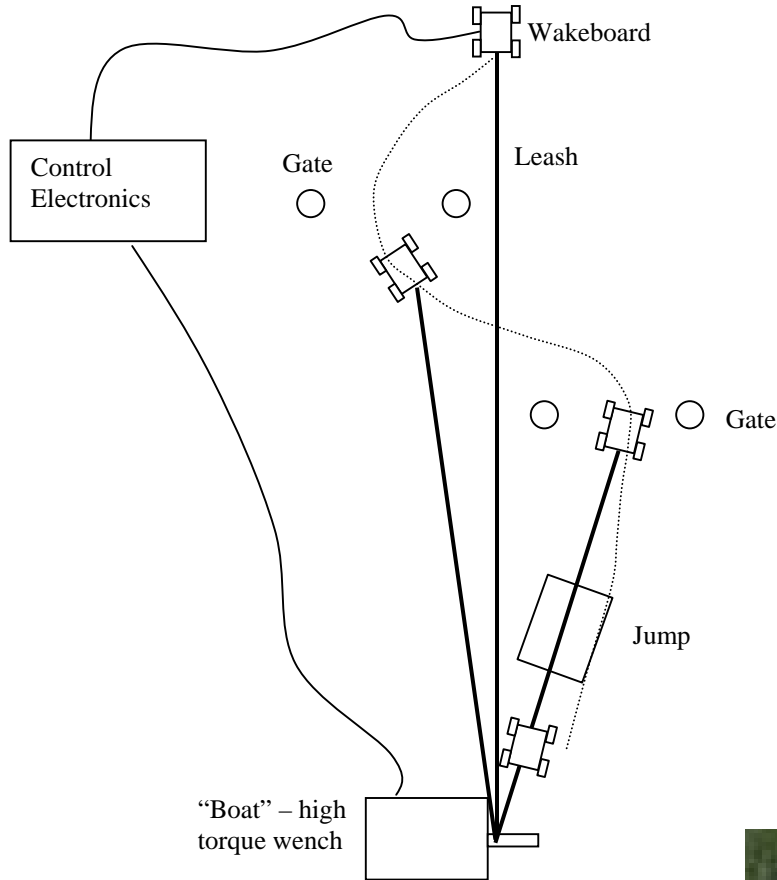


MAE 106 Mechanical Systems Laboratory
Final Project 2004

WAKEBOT 2004

You will design a teleoperated robotic vehicle capable of wakeboarding through a slalom course for your final project. A high-power motor will pull on a string (the “leash”) attached to your robot.



The goal is to control the speed of the “boat” and to steer your wakeboard using a manual control knob. You will be provided with a motor for steering as a starting point, and will work in teams of two or three. On the day of the scheduled final, there will be a contest testing your wakebot.

Discussion Question: *What are some of the subproblems that you will need to solve in order to successfully complete your project?*

