Plans for Next Semester

Class – Introduction to Dynamic Systems

Issue and Proposed Solution – This class is quite abstract, and we do not have a laboratory component to the class. I have developed virtual laboratories (in Simulink) with a student this semester that will be implemented next semester to address this. The laboratories feature virtual reality models of some of the laboratory hardware we use in our senior elective control systems course. In addition to incorporating these labs, I will be implementing active learning strategies from the VCP.

Plan of Action

- Assign the virtual laboratories as mini-projects throughout the class, allowing the students to work on the projects in small groups.
- Use socrative.com to administer short in-class interactive quizzes to quickly assess student learning. I will plan on giving one short quiz in the middle of every class session at a minimum.
- Use the control systems concept inventory as a post-test. Unfortunately I do not have any control data for this test.
- Have students work some examples in small groups to break up the class.