

**Department of Chemical Engineering
University of California, Santa Barbara**

ChE 152B

Winter, 2010

Starting PCM

1. Run the PCM_installer.exe
2. Once PCM has been installed, you can start the software by typing *PCM* at the Matlab command prompt
3. For the homework problems, select the diabetes module
4. Select the modules corresponding to the description in the homework:
 - a. Bergman
 - b. PID
 - c. FF
 - d. MPC

Running Simulations

- To make changes to any block parameters, click on the block and enter your parameters
- Run the simulation by executing the Simulink model
- To make changes to any settings while the simulation is running, you must pause the simulation first
- Results from each simulation will be saved by clicking the radio button *Save* on the figure window
- Ensure that your results have a unique filename to avoid overwriting results