

## HOMEWORK #1: Introduction

This homework is due by midnight on Friday, January 19, 2018.

1. Read preface, Chapter 1, Chapter 2, and the ModelSim tutorial.
2. ModelSim is available on the linux machines in the CADE lab. Executing the following script will give you access to it:  
`/uusoc/facility/cad_common/local/bin/F15/sim-msim`  
A student edition of ModelSim suitable for this course is available from:  
[https://www.mentor.com/company/higher\\_ed/modelsim-student-edition](https://www.mentor.com/company/higher_ed/modelsim-student-edition)
3. Simulate `wine_example.vhd` using ModelSim. Turn in a printout of the waveform from simulation.
4. Complete book problems 1.1 and 1.2.
5. **Required for 6750 students and extra credit for 5750 students.**  
Complete book problem 1.3. Instead of using TEL structures, use *labeled Petri nets* (LPNs).