

CEN 6075 - Software Specification, Fall 2009
Assignment #3 (10 points), **Due** October 22 (Thursday)

Requirements:

Write a temporal logic specification for a simple course registration system with user authentication, add and drop course functionalities.

Grading:

- (1) Use proper temporal logic symbols / notations,
- (2) Give clear description and explanation.

Hints:

- Temporal logic is used to specify interleaved execution of concurrent systems. Thus you need to think about what concurrent behaviors that a system can have such as multiple users access shared resources;
- High level specifications mostly concern about states;
- Low level specifications may also deal with state transitions;
- A temporal logic specification contains a set of formulas that represent system properties.