**Name: Kaycee Salgueiro**

**Course: ELEC3225 Applied Programming Concepts**

**Assignment #2**

**Incremental model**

1. Each iteration from start to finish would be as follows:
   1. Base class “User” and derived classes “Student”, “Instructor”, and “Admin” should be created with their respective functions, but functions should be left mainly blank for simplified testing of classes.
      1. Proposed timeline: a week or less.
   2. Database of users and their information should be added into the system and tested to ensure they are programmed with the right user type.
      1. Proposed timeline: 2 weeks.
   3. New base class for courses should be created and tested.
      1. Proposed timeline: a week or less.
   4. Database of classes for an academic year should be added (Fall, Spring, and Summer).
      1. Proposed timeline: 2 to 3 weeks.
   5. New base class for schedules should be created and tested.
      1. Proposed timeline: a week or less.
   6. Functions for each class should be integrated and tested one class at a time. If there are overlapping functions in each class, they should be integrated simultaneously and tested as well.
      1. Proposed timeline: 2 to 3 weeks.
   7. Scheduling preferences should be added and tested with users when searching for courses.
      1. Proposed timeline: a week or less.
   8. Graphical user interface should be designed and implemented.
      1. Proposed timeline: 3 weeks or less.