

Project name: wk7_course_pwiese.cpp

Objective: Demonstrate use of a class that has a member variable of another class

Specifications:

Define a class, Course, that is used to represent a college class.

Each Course should contain

- a string for the course title (title),
- a string for the course number (number) - for entries like CS162,
- a float for the number of credits (credits),
- an array of Student objects (studentsEnrolled) - that will hold up to 30 Student objects, and
- an integer to keep track of how many students are enrolled (numStudents).

The Student class should have

- a string for each student's last name (lastName),
- a string for each student's first name (firstName), and
- an integer for each student's ID number(idNum).

There should be appropriate constructors, accessor functions, and mutator functions for both classes. Also, there should be a friend function that prints out all information about one Course.

Include an overloaded equality operator that allow the user to compare two courses. Also, overload the += operator for the Course class that adds the students from one class into the class that instantiates the operator.

The driver file that will be used to test your Course class is attached to the assignment in Blackboard. BE SURE your program runs using that driver file. (NOTE: Please edit the implementation files so that the header files included are "course.h" and "student.h" before you submit the assignment (so I don't have to edit your programs to run your code.