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1  /*
2  Name: Rifa Safeer Shah
3  Class: CECS 282
4  Instructor: Minhthong Nguyen
5  */
6
7  #ifndef COURSE_H
8  #define COURSE_H
9  #include "Time.h"
10 #include "Student.h"
11
12 using namespace std;
13
14 class Course {
15     private:
16         int numOfEnrolled;
17         string courseNumber; //four-digit integer
18         string courseName; //e.g. CECS 282
19         string semester; //Fall, Winter, Spring, Summer
20         Time last_date_to_enroll; //time in secs
21         Student* students; //pointer to array of students
22     public:
23         Course();
24         Course(string num, string name, string sem, Time last_date, Student* stdts, int numOfEnroll);
25         Course(const Course& c);
26         Course& operator=(const Course& c);
27         ~Course();
28         Student* getStudent() const;
29         string getCourseNumber() const;
30         string getCourseName() const;
31         string getSemester() const;
32         string getYear() const; //return the year of the semester (assume to be the year of the last date to enroll)
33         int getNumberOfEnrollment() const;
34         string getLastDateToEnroll() const; //return as Www Mmm dd hh:mm:ss yyyy
35         Time getTimeLastDateToEnroll() const; //return last_date_to_enroll in seconds
36         void setNumberOfEnrollment(int ne);
37         void setRoster(Student* stdts);
38 };
39
40 #endif
```