

## Lab Assignment 02

### 2021 – 2022 Spring, CMPE 114 - 211 Fundamentals of Programming II

#### Question 01

In this lab, you are going to complete a student application. You are asked to implement the following tasks:

File `Student.java` that is available on Moodle, contains a partial definition for a class representing a student. Save it to your directory and study it to see what methods it contains. Then complete the `Student` class as described below.

- a. Fill in the code for the constructor `Student`, which initializes name, age, department and taken number of courses information.
- b. Fill in the code for method `addCourse`, which takes an integer parameter to add and should increase the number of courses by the number.
- c. Fill in the code for method `dropCourse`, which takes an integer parameter to drop and should decrease the number of courses by the number.
- d. Fill in the code for method `toString`, which should return a string containing the name, age, department and taken number of courses information for the student.
- e. Modify `addCourse` and `dropCourse` methods so that instead of returning void, they return the new number of courses. Note that you will have to make changes in two places.
- f. Fill in the code for method `changeDepartment` which takes a string as a parameter and changes the department of the student to be that string.