

## OBJECT ORIENTED PRINCIPLES.

### A02\_Part1: A First Java Application.

On this first part of A02 a simple Java application is proposed.

- The folder **src** contains the code of the Java application.
  - o MyMain.java => This class tests the functionality of A02\_Part1. This class is provided completed, so you must not modify it.
  - o Student.java => Our first pure Object Oriented Programming Java class, modelling the concept of a university student. You must complete this class.
- The folder **javadoc** contains the documentation of the Java application.
  - o MyMain.html => This file contains the description of the class MyMain.java.
  - o Student.html => This file contains the description of the fields, constructor, get methods, set methods and extra functionality of the class Student.java. Use this file to guide you in completing the code of the file Student.java.
- The folder **results** contains the expected results of the Java application.
  - o result.txt => This file contains the output obtained from running the lecturer's solution when running the main method of MyMain.java. That is, when the Java application is used to test the functionality of the class Student.

#### Actions:

1. Complete the class Student.java.  
The fields, constructor, get methods, set methods and extra functionality must follow the description given by the Javadoc file Student.html.

#### Submission Details:

- Submit the class Student.java to Canvas before Friday 4<sup>th</sup> of October, 1pm.
- Please ensure your code matches the expected output provided in results.txt (see rubric below).

#### Rubric:

- Fields => 2 marks.
- Constructor => 3 marks.
- get methods => 3 marks.
- set methods => 3 marks.
- printStudentInfo method => 2 marks.
- sumOfIDDigits => 2 marks.