

# ICT23B Intermediate Java Programming

## Tutorial 2

### UML – Class Diagrams

#### Class Diagram

*Draw a class diagram showing full UML2 standard notations*

Suppose that you are required to implement a system for a technical college to keep track of student information.

The information stored for each student includes the student's number, name, address, phone number and fees due. The college has two types of students, namely, on-campus students and distance students. The matriculation points obtained by on-campus students must also be stored. Additional information that must be stored for distance students includes the city of the study centre they will report to and the duration over which they are completing the course. The fee for on-campus students is the sum of the course fee and a lab charge. In the case of distance students the fee is a sum of the subject cost plus a postage cost for notes. Each student enrolls for a course. The details that are stored for each course is the name of the course, the subjects that need to be completed and the minimum duration of the course.