Past examinations in this unit held in the Library under the MCO are excellent indicators of the type of exam that has been set for this forthcoming Examination Period. It is a **CLOSED BOOK** exam. Any **CALCULATOR** to be used in the exam must have the **Faculty approved sticker**.

The examination will be for 2 hours and 10 minutes.

Questions 1 to 6 are short-answer type questions. You will be required to complete five (5) of six (6) questions, each of which carries 12 marks. Each question consists of small problems for which you will need to write some Java code. The total for the 5 questions is **60 marks**.

Question 7 covers the Multiple Choice Questions (MCQ) and is worth **40 marks** in total. It consists of 20 sub-questions each with 5 choices. You will mark your answers on a special computer scannable sheet. **BRING A PENCIL AND ERASER**. The MCQ have the same flavour as the mid-semester test and those in past examinations.

You are expected to have a solid overview of the lecture notes, and the information contained within. This exam will focus on the **APPLICATION** of your knowledge.

All the materials covered in the lectures and laboratory exercises are examinable.

- While you will need to understand recursion for the MCQ section, there will NOT be a large problem involving the implementation of a recursive algorithm.

- You will need to know what the methods in the `SimpleCanvas` class are used for, e.g. `drawLine` for connecting two points by a line, `setForegroundColour` for changing the foreground colour, etc.

- You did a project. You implemented several classes from scratch each communicating between each other, with encapsulation enforced (need to know basis). The project covered most of the basic features object oriented programming. If you (**really**) understand what you did, then you understand the basics.

- “*I am told there is no need to study the last 2-3 weeks of the lectures, they don’t put that in that late stuff in the exams*”. Many a student has crashed and burned on that myth!
What you should do

- Read the questions carefully and answer the questions. Don’t waste time writing an elegant and succinct answer to a question that was never asked.

- You will be implementing code in the short-answer questions. I expect that the code you write will be a very good stab at real code, but I DO NOT expect code that would compile first time. On the other hand I will not accept a story in prose outlining what you would do.

- This year there is a different system for notifying students of the examination timetable and venue. You must check Student Access to get the details. Don’t leave it to the last minute, and don’t think you can ask me (or anyone in the office) – we won’t know where you are expected to go (there may be several venues).

- Come prepared. Several sharp pencils, an eraser, pens, a bottle of water, a picnic lunch (if you are so inclined). But don’t bring to the desk a mobile phone, iPod/MP3 player, books, notes etc.

Have I mentioned that past examinations in this unit held in the Library under the MCO are excellent indicators of the type of exam that has been set for this forthcoming Examination Period?

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