

## Assignment Brief

**Academic Year 2018/19**

|                                |  |                                      |                      |
|--------------------------------|--|--------------------------------------|----------------------|
| Module Title:                  | Application Programming                | Module Code:                         | CO453                |
| Assignment No/Title:           | Coursework Part A                      | Assessment Weighting:                | 30%                  |
| Submission Date:               | <b>2 pm on Monday 4 March 2019</b>     | Feedback Target Date:                | 3wks after Sub Date. |
| Module Co-ordinator/<br>Tutor: | K Maher, C Lusuardi, N. Day & R. Jones | Degree/Foundation<br>Please Specify: | Both                 |

**This assignment is to be submitted electronically using Blackboard**

Submission Instruction:

1. This assignment must be submitted electronically using Blackboard by 2pm on the submission date
2. **To submit electronically you must upload your work to the e-submission area within the Blackboard module concerned. Simple instructions are provided within the module.**
3. Please do not attempt to submit assignments direct to lecturers as this is not allowed and will result in a non-submission being officially recorded
4. You will receive a digital receipt as proof of submission. This will be sent to your Bucks e-mail address; please keep this for reference.
5. You are reminded of the University's regulations on cheating and plagiarism. In submitting your assignment you are acknowledging that you have read and understood these regulations.
6. You are reminded that it is your responsibility to keep an electronic copy of your assignment for future reference.

Assignment format and other relevant instructions to students:

You should already have access to the Visual Studio development environment and C# scripts copied from L:\ drive. If not, please follow instructions for obtaining these provided in the study pack. If you experience difficulty accessing resources please seek guidance from your tutor.

Please format your submission as a practical 'log book' as instructed in the module study pack. In the event that you have mislaid the study pack, please contact:

Di Cameron (School Registrar)  
Faculty of Design, Media & Management

Telephone: +44 (0) 1494 522141 ext 3244

This assignment tests the following Learning Outcomes for the module:

1. Analyse a simple requirement in a structured manner in order to establish a strategy to solve the current problem
2. Design, document, implement and test reliable, maintainable programs as solutions to simple problems
3. Use structured techniques of design and implementation and good documentation practice
4. Make effective use of software development tools when implementing fit-for-purpose solutions

## The Assignment Task:

Attempt all the class exercises and independent studies in weeks 1, 2 and 3 for this first coursework submission. Record your solutions either by copying the code or print-screening the code, in a digital logbook. This could be a word file.

In your written submission, please ensure the following: [1] all tasks have proper headings; [2] appropriate screen capture is provided of working solutions; [3] code is clearly presented and **fully** commented; [4] brief technical accounts of any mechanisms or structures demonstrated and a **clear statement** concerning the success or otherwise of your solution; [5] only where specified, please also provide test plans, i/o diagrams and any other elements (such as class diagrams).

## Assessment Criteria

### Grade A:

Where the student has demonstrated clear evidence of an excellent understanding of the theories and principles together with a high degree of analytical accuracy, good design skills, implementing fully tested solutions that show reliability, maintainability, readability and minimal complexity and correct form of presentation skills.

*To acquire the knowledge and skills to demonstrate the above the student will normally be expected to attend the lecture and practical sessions and attempt at least 85% of directed study for each week.*

### Grade B

Where the student has demonstrated clear evidence of a good understanding of the theories and principles together with a good analytical ability, good design skills, implementing solutions that show reliability, maintainability, readability and minimal complexity and correct form of presentation skills.

*To acquire the knowledge and skills to demonstrate the above the student will normally be expected to attend the lecture and practical sessions and attempt at least 75% the directed study for each week.*

### Grade C

Where the student has demonstrated a reasonable understanding of the theories and principles together with a reasonable analytical ability, design skills, implementing solutions that appreciate the need for reliability, maintainability, readability and minimal complexity and reasonable presentation skills.

*To acquire the knowledge and skills to demonstrate the above the student will normally be expected to attend the lecture and practical sessions and attempt at least 66% of the directed study for each week.*

### Grade D

Where the student has demonstrated an understanding of the theories and principles of analysis, design, implementation and presentation skills.

*To acquire the knowledge and skills to demonstrate the above the student will normally be expected to attend the lecture and practical sessions and attempt at least 50% of the directed study for each week.*

### Grade E

Where the student has made a genuine attempt to acquire the knowledge and skills but requires further application and study to demonstrate an understanding of the theories and principles of analysis, design, implementation and presentation skills.

*In order to demonstrate a genuine attempt the student will normally be expected to attend the lecture and practical sessions and attempt at least 40% of the directed study.*

### Grade F

Where the student has clearly not acquired sufficient knowledge and skills and not attempted or coped with the directed study with any degree of competence regarding theories, principles, analysis, design, implementation and presentation skills

or  
where the student has NOT attended for assessment

or  
where the student has copied work from an alternative source.

University Generic Undergraduate Degree Grade Descriptors can be found on the University website in the document 'Assessment of Students- Appendix 1'

## Quality Assurance Record

Internal Approval:

External Approval: