Software Development

Assignment 1

Deadline: Week of **06:11:06** (4 weeks)

Student Name_____

Date handed in:_____

Grading Evidence

It is possible to achieve credits for the following from this assignment.

Grading Criteria	Tick	Date	Key Skills
P1. describe the software development procedures and the need for organisational standards			C2, IT2,PS2
P2. describe one programming language			C2, IT2,PS2
M1. justify the choice of the programming language used to address a given need			C2, IT2,PS2

Assignment Feedback (*with smart targets*)

_____

_____

_____

_____

_____

_____

Student Feedback

_____

_____

_____

Internal Verifier Comments:

Signed: _____

Date: _____

Assignment Brief

Set by: ADR   Verified by: Stuart Blackmore   Date: Sep 2006

Assignment 1: The Software Development Process

This assignment is concerned with the software development process.

P1: describe the software development procedure and the need for organisational standards

a. Produce a 4-page booklet describing each step in the software development process. Each page should cover two of the steps listed below. You can add small pictures to enhance your work if you wish to.

    (*The steps to cover are 1. user need and problem requirements (input, output, data structures, processes); 2. investigation; 3. design; 4. preparation e.g. taking backups; 5. creation of software components; 6. testing; 7. documentation; 8. maintenance.*)

b. Explain the need for organisational standards.

    (*You should mention document and design standards. You should also mention coding standards such as naming conventions for variables, use of procedures and functions, indentation and coding annotations.*)

P2: describe one programming language

c. Describe the VB programming language and the types of applications you can develop with it.

d. Describe using simple examples, sequence, selection and iteration statements. Explain how these constructs help create structured programming.

e. Describe using a simple example, data structures such as arrays.

M1: justify the choice of the programming language used to address a given need

f. Explain why Visual Basic is an appropriate choice of programming language for the 'Seed Calculation' program.

    (*You will need to read the **scenario** document to answer this question, which you will find on the Assignments web page.*)