Access to H.E.
National Programme Unit

openawards

Unit Title:	Algorithms, Pseudocode and Trace Tables
Graded Unit Code:	GA33MTH07
Ungraded Unit Code:	UA33MTH07
Pathway(s):	Computing
Module(s):	Maths for Computing Mathematics
Level:	3
Credit Value:	3
Valid from:	1st August 2014
Valid to:	31st July 2024

The following QAA grade descriptors must be applied if you are delivering the graded version of this unit:

1	Understanding of the subject
2	Application of knowledge
3	Application of skill
7	Quality

LEARNING OUTCOMES		ASSESSMENT CRITERIA	
The learner will:		**The learner can:**	
1.	Understand the use of pseudocode for the design of algorithms	1.1	Define the terms pseudocode and algorithm
		1.2	Explain the advantages in using pseudocode to plan algorithms
		1.3	Use flow diagrams and pseudocode to plan straightforward algorithms
2.	Understand the use of trace tables in white box testing	2.1	Distinguish between "white box" and "black box" testing
		2.2	Explain the advantages of desk-checking algorithms before programming solutions
		2.3	Use given trace tables and data to desk-check algorithms written in pseudo code

	2.4	Design trace tables and select test data to desk-check own algorithms