Access to H.E.
National Programme Unit

openawards

Unit Title:	Programming Using Objects		
Graded Unit Code:	GA33COM03	Ungraded Unit Code:	UA33COM03
Pathway(s):	Computing Hospitality, Leisure and Tourism		
Module(s):	Computing		
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 nature of objects and the principles of object inheritance and hierarchy	1.1 Identify a range of objects in a simple object oriented application, and explain why object-oriented approach is particularly useful for applications using a graphic user interface
	1.2 Define the term 'class object' and use examples to explain how instances of these are used to build applications
	1.3 Describe the principle of inheritance and use diagrams to illustrate how the inheritance of properties is hierarchical

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
2 Understand the differences between object properties and methods and modify default properties	2.1 Distinguish between the properties and the methods associated with objects
	2.2 Create programmed solutions selecting and using *forms*, *message boxes*, *text boxes*, *command buttons*, *list boxes*, *combo boxes*, as appropriate
	2.3 Modify default properties of objects to suit defined needs, e.g. name, size, colour, default text etc
3 Be able to solve problems using Object Oriented Programming	3.1 Design solutions to straight forward problems using Object Oriented Programming
	3.2 Use program statements to change some of the properties of objects depending on user input as appropriate
	3.3 Systematically name objects to make program statements clearer
	3.4 Use debugging tools to set breakpoints, interrogate variables and step-though programs to detect code errors and modify programs