

Module Title:	Computer Programming 2 – Semester 2
Academic year:	2009 – 2010
Credit Value:	4 – Mandatory
Pre- requisites:	Computer Programming 1
Assessment:	60% Final Exam, 40% Continuous Assessment (CA)
Aims	The aim of this subject is to teach the student how to translate an algorithm into Java source code and how to encapsulate the code into methods. The student will learn how to recognise patterns in a problem and how to make flexible by parameter and return value.
Module Content	<ul style="list-style-type: none"> • Review; • Java; • I/O; • Strings; • Arrays; • Loops; • Flowcharts; • Search Algorithms; • Methods.
Intended Learning Outcomes:	<p>On successful completion of this module students should have the ability to:</p> <ol style="list-style-type: none"> 1. Write simple Java programs from flowcharts or description; 2. Write simple Java methods from specifications provided; 3. Use standard language constructs for selection (if-switch) and iteration (for-while-do)