

UNIT INFORMATION

CO1102 MATHEMATICS FOR COMPUTING

Number systems; sets and subsets; set algebra; symbolic logic and logic gates; sequences; summations; elementary counting principles; probability; relations and functions; matrix algebra; systems of linear equations; introduction to the theory of graphs and digraphs.

Assessment: One three-hour unseen written paper.

CO1109 INTRODUCTION TO JAVA AND OBJECT-ORIENTED PROGRAMMING

Basic Types and Expressions; Assignment Statements; Loops and Conditionals (Simple and Nested); Handling Simple I/O; Objects and Classes; Methods with and without parameters; Inheritance; Constructor Methods (and

CO3353 SOFTWARE ENGINEERING PROJECT MANAGEMENT

Pre-requisite: Software engineering, algorithm design and analysis CO2226.

The course examines software process and engineering concepts such as the software lifecycle, object oriented programming, design for re-use and user-centred design, together with contemporary approaches such as Agile