

AMITY GLOBAL INSTITUTE

Name of course: Advanced Diploma in Computing

Module Description

[MOD05903] COMPUTER OPERATING SYSTEMS

This purpose of this module is to: provide students with a comprehensive and broad understanding of the principles, application, structure, and design principles of operating systems.

[MOD05902] COMPUTER MODERN NETWORKS

The Computer Modern Networks course will discuss the technologies (hardware/software) and how these are utilised in modern networks. This understanding is used to develop the necessary skills to design and implement (programming) software to be deployed within modern networks.

[MOD05503] COMPUTING GROUP PROJECT

This module seeks to develop the students' understanding of the various technical and applied aspects of the programme, gained during their Diploma in Computing programme. The module is designed specifically to develop creative design teamwork and presentation skills within the context of a substantial computing team project.

[MOD05901] ADVANCED WEB PROGRAMMING

This module concentrates on developing students' understanding of the concepts and technologies of Web-based server software applications, as well as expanding the students' skills in corresponding software development.

Student will be given the opportunity to develop real server-side applications on a variety of systems. Students will also develop an understanding of good multimedia design.

[MOD05909] MODERN SYSTEMS DESIGN AND DEVELOPMENT

This module introduces students to areas of object technology, CASE Tool and implementation of system, explore building GUIs and resources offered by class libraries so that the idea of specifying general software components and implementing re-useable classes in software development domains.

[MOD05900] ADVANCED DATABASE SYSTEMS

This module introduces fundamental concepts and skills of Entity Relational Models (ERMs) and Structured Query Language (SQL). The module focuses on the key areas of extended-relational databases; user defined types, their practical creation and application, valuable data extraction to provide intelligence and introduces database programming (PL/SQL). The module employs industry standard software to achieve the maximum economic saleability.