

AMITY GLOBAL INSTITUTE

MODULE SYLLABUS

Course	Advanced Diploma in Computing
Module Title	Advanced Web Programming
Syllabus / Content / Learning Outcomes	<p>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.</p> <p>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.</p> <p>Learning Objectives The module objectives are as follows:</p> <ol style="list-style-type: none"> 1. Understand, use and appreciate the technology used by Internet/Intranet-based multimedia systems. 2. Explain and evaluate the function of the components in an Internet/Intranet application. 3. Explain and assess the software requirements for Internet/Intranet multimedia systems. 4. Appreciate and evaluate the specification of Internet/Intranet multimedia systems. <p>Learning Outcomes On successful completion of the module, students will be able to:</p> <p>Knowledge and Understanding</p> <ol style="list-style-type: none"> 1. Understand, use and appreciate the technology used by Internet/Intranet-based multimedia systems. 2. Explain and evaluate the function of the components in an Internet/Intranet application. 3. Explain and assess the software requirements for Internet/Intranet multimedia systems. 4. Appreciate and evaluate the specification of Internet/Intranet multimedia systems. <p>Subject Specific Skills</p> <ol style="list-style-type: none"> 1. Design and implement dynamic multimedia rich applications for the Internet. 2. Demonstrate a broad understanding of the many disciplines which have influenced the development of such Internet multimedia systems. 3. Explain and assess the importance of good design criteria in Internet multimedia systems. <p>Key Skills</p> <ol style="list-style-type: none"> 1. Identify and appraise relevant sources of information 2. Design, implement and test a system to meet a given specification 3. Produce appropriate and critical system documentation and media to professionally acceptable standard.
No. of Teaching Hours	<p>Teacher Managed Learning Lectures, Tutorials, Seminars etc : 48 hours</p> <p>Student Managed Learning Independent Preparation, pre-reading and analysis etc : 22 hours</p> <p>TOTAL = 70 hours</p>
Teaching Methods	Lectures, tutorials, case-studies analysis, research journals and group discussion
Assessment Methods and Weightages	<p>Written Assessment 1 (1500 Words) – 50%</p> <p>Written Assessment 2 (1500 Words) – 50%</p>
Skills for Maximising Learning Outcomes	Reading and Research
Dates of Examination and Submission of Assignment	To be advised and confirmed by respective module lecturer on detailed/specific assignment deadlines
Recommended Text & Reference	<p>The aim of this module is to develop the students' understanding of the concepts and technologies of Web-based server software applications, as well as expanding the students' skills in corresponding software development.</p> <p>John Duckett- Web Designing with HTML, CSS and Java Script – Wiley – 1st Edition</p>

Note: All Information provided to Amity will be kept strictly confidential except for those required under statutory requirements and by government authorities and relevant university partners and accreditation bodies as part of the regulatory or course requirements.

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Lesson No.	Learning Outcome
1	Web servers
2	Common Gateway Interface, CGI Scripting languages
3	Server side scripting in, for example, PHP and JSP
4	Server side database access using, for example, PHP libraries and JDBC
5	Client Server integration using, for example, AJAX

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