

AMITY GLOBAL INSTITUTE

MODULE SYLLABUS

Course	Advanced Diploma in Computing
Module Title	Computer Operating Systems
Syllabus / Content / Learning Outcomes	<p>Computer Operating Systems provide students with a comprehensive and broad understanding of the principles, application, structure and design principles of operating systems.</p> <p><u>Learning Objectives</u> The objectives of this module are to enable students to :</p> <ol style="list-style-type: none"> 1. Understand the concepts of an operating system 2. Understand the functions and operations of an operating system 3. Understand the user interfaces of an operating system <p><u>Learning Outcomes</u> On successful completion of the module, students will be able to</p> <ul style="list-style-type: none"> ❖ Synthesise information by bringing together in a coherent way the various aspects of an issue and present interpretations clearly and logically ❖ Organise and present clear evidence of achievements within the laboratory environment following appropriate procedures and practice. <p><u>Knowledge and Understanding</u></p> <ol style="list-style-type: none"> 1. Demonstrate an elementary understanding of primary networking concepts 2. Demonstrate an elementary appreciation of the use of main network structures <p><u>Subject Specific Skills</u> On successful completion of the module, students will be able to</p> <ol style="list-style-type: none"> 1. Compare and contrast an adequate number of the functions of different operating systems. 2. Evaluate the performance of a selected operating system. 3. Describe how to effectively use and administer a computing operating system and a networked computer system. <p><u>Key Skills</u> On successful completion of the module, students will have the following key skills :</p> <ol style="list-style-type: none"> 1. Implement decisions following careful evaluation of options 2. Synthesise information by bringing together, in a coherent way, various aspects of an issue and present interpretations clearly and logically 3. Organize and present clear evidence of achievements within the laboratory environment, following appropriate procedures and practice.
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 module will be delivered through a combination of lectures, seminars and practical classes. The actual mix of lectures and seminars at any particular time will be dependent on the level of difficulty of the material being covered.</p> <p>Andrew S T Modern Operating Systems - Prentice Hall; 3 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	Operating Systems Objectives, Characteristics and Functions
2	Operating Systems Processes and Management
3	Operating Systems File Memory Management
4	Operating Systems Input - Output Systems
5	Systems Programming in Operating Systems

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