

# AMITY GLOBAL INSTITUTE

## MODULE SYLLABUS

Course	Bachelor of Science Honours in Computer Science (Web and Mobile Development) (University of London)
Module Title	Object Oriented Programming
Module Syllabus No. (if any)	CM2005
Syllabus / Content / Learning Outcomes	This module aims to provide you with an object-oriented programming skill set. You will learn what objects and classes are and how to write your classes. You will see how objects can interact with each other, including defining and implementing interfaces to control the interaction. You will learn how to use inheritance to inherit and extend functionality from parent classes. You will learn how to write code according to style guidelines and how to write formal code documentation.
No. of Teaching Hours	Contact Hours – Lectures, Seminars & online activity (22 x 3) = 66 Independent Preparation, pre-reading and analysis = 84 TOTAL = 150
Teaching Methods	Lectures, tutorials, case-studies analysis, research journals and group discussion.
Assessment Methods and Weightages	Coursework I 50% and Coursework II 50% At least 35% in each element of summative assessment and a combined weighted average of at least 40%, subject to the application of rules for compensation.
Skills for Maximising Learning Outcomes	Reading and research
Dates of Examinations, Major Assessments and Assignments	Please refer to <a href="http://www.london.ac.uk">www.london.ac.uk</a> exam tables If your effective date of registration is: <ul style="list-style-type: none"><li>• 1 October, you will take your first examination(s) in March of the following year,</li><li>• 1 April, you will take your first examination(s) in September of the same year.</li></ul>
Topics covered	<ul style="list-style-type: none"><li>• Variable and types</li><li>• Control flow: conditionals and iteration</li><li>• Functions</li><li>• Objects and classes</li><li>• Interaction between objects</li><li>• Inheritance: extending a parent class</li><li>• Inheritance: defining a class hierarchy</li><li>• Code documentation and style</li><li>• Abstraction and polymorphism: implementing an abstract class</li><li>• Abstraction and polymorphism: defining an interface</li></ul>

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.