

# AMITY GLOBAL INSTITUTE

## MODULE SYLLABUS

Course	Bachelor of Science Honours in Computer Science (Web and Mobile Development) (University of London)
Module Title	Introduction to Programming II
Module Syllabus No. (if any)	CM1010
Syllabus / Content / Learning Outcomes	This module is focused on adding to the basic programming skill set you developed in Introduction to Programming I and giving you experience working with existing code and third-party libraries. By taking this module, you will learn how to customise existing code, to implement basic object orientation and to work with a range of third-party libraries.
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: Initial Report 30% and Coursework II: Final Report 70% 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>• Introduction to the project,</li> <li>• Case study 1: Click &amp; Point Adventure</li> <li>• Case study 2: Interactive data visualisation</li> <li>• Case study 3: Mobile Drawing App</li> <li>• Planning your project: an iterative approach</li> <li>• Libraries and APIs</li> <li>• Structuring large programmes</li> <li>• Maintainable code</li> <li>• Testing and debugging</li> <li>• Completing your project</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.