TABLE 2: COURSE DISTRIBUTION PER SEMESTER – BSc (HONS) COMPUTING

A/A	Course type	Course title	Course code	Periods per week	Period duration	Number of weeks/ Semester	Total periods/ Semester	Number of ECTS
Year 1: Semester 1								
1.	Compulsory	Introduction to Programming	CO1407	6	1 hour	13	78	10
2.	Compulsory	Introduction to Networking	CO1507	6	1 hour	13	78	10
3.	Compulsory	Discrete Mathematics	MA1611	4	1 hour	13	52	5*
4.	Optional	**EITHER** Academic Writing **OR** Study and Research Skills	EF1006 CO1808	3	1 hour	13	39	5*
Year 1: Semester 2								
5.	Compulsory	Explorations in Computing	CO1417	6	1 hour	13	78	10
6.	Compulsory	Discrete Mathematics	MA1611	3	1 hour	13	39	5*
7.	Optional	AI Concepts Practice and Implications	CO1xxx	4	1 hour	13	59	10
8.	Optional	University Elective	-	-	-	-	-	10
9.	Optional	**EITHER** Academic Writing **OR** Study and Research Skills	EF1006 CO1808	3	1 hour	13	39	5*

*The ECTS indicates the equivalent student workload per semester.

NOTE: For Example, the students will receive the 10 ECTS for the year-long courses, further to successful completion of the 2 semesters (5* + 5*).

A/A	Course type	Course title	Course code	Periods per week	Period duration	Number of weeks/ Semester	Total periods/ Semester	Number of ECTS
Year 2: Semester 1								
1.	Compulsory	The Computing Challenge	CO1111	6	1 hour	13	78	10
2.	Compulsory	Games Concepts	CO1301	6	1 hour	13	78	10
3.	Compulsory	Systems Analysis & Database Design	CO1605	6	1 hour	13	78	10
Year 2: Semester 2								
4.	Compulsory	Algorithms and Data Structures	CO1406	6	1 hour	13	78	10
5.	Compulsory	Computer Systems and Security	CO1508	6	1 hour	13	78	10
6.	Compulsory	Introduction to Probability and Statistics	MA1001	6	1 hour	13	78	10

A/A	Course type	Course title	Course code	Periods per week	Period duration	Number of weeks/ Semester	Total periods/ Semester	Number of ECTS
Year 3: Semester 1								
1.	Compulsory	Advanced Programming	CO2402	2	1 hour	13	26	5*
2.	Compulsory	The Agile Professional	CO2410	2	1 hour	13	26	5*
3.	Optional	Cyber Security	CO2120	4	1 hour	13	52	10
4.	Optional	Games Development 1	CO2301	4	1 hour	13	52	10
5.	Optional	Software Development	CO2401	4	1 hour	13	52	10
6.	Optional	Introduction to Network Routing	CO2511	6	1 hour	13	78	10
7.	Optional	Database Systems	CO2701	4	1 hour	13	52	10
Year 3: Semester 2								
8.	Compulsory	Advanced Programming	CO2402	2	1 hour	13	26	5*
9.	Compulsory	The Agile Professional	CO2410	2	1 hour	13	26	5*
10.	Optional	Cross Platform Development	CO2404	4	1 hour	13	52	10
11.	Optional	Computer Graphics	CO2409	4	1 hour	13	52	10
12.	Optional	Network Management	CO2516	6	1 hour	13	78	10
13.	Optional	Digital Evidence and Incident Response	CO2517	4	1 hour	13	52	10
14.	Optional	Human Computer Interaction and User Experience	CO2702	4	1 hour	13	52	10
15.	Optional	Exploratory Data Analysis	CO2xxx	4	1 hour	13	52	10

A/A	Course type	Course title	Course code	Periods per week	Period duration	Number of weeks/ Semester	Total periods/ Semester	Number of ECTS
Sandwich Year (Optional – Semesters 1, 2 and 3)								
1.	Optional	Industrial Placement Year	CO2802	N/A	N/A	13	N/A	60
Year 4: Semester 1								
1.	Compulsory	Double Project	CO3121	1	1 hour	13	13	10*
2.	Optional	Data Visualisation	CO3193	4	1 hour	13	52	10
3.	Optional	Games Development 2	CO3301	4	1 hour	13	52	10
4.	Optional	Distributed Enterprise Systems	CO3411	4	1 hour	13	52	10
5.	Optional	Advanced Network Routing	CO3513	6	1 hour	13	78	10
6.	Optional	Wireless and Mobile Networks	CO3514	4	1 hour	13	52	10
7.	Optional	Artificial Intelligence	CO3519	4	1 hour	13	52	10
Year 4: Semester 2								
8.	Compulsory	Double Project	CO3121	1	1 hour	13	13	10*
9.	Optional	Maths and Technology for Games	CO3303	4	1 hour	13	52	10
10.	Optional	Penetration Testing	CO3517	4	1 hour	13	52	10
11.	Optional	Cloud Computing	CO3721	4	1 hour	13	52	10
12.	Optional	Data Science	CO3722	4	1 hour	13	52	10

*The ECTS indicates the equivalent student workload per semester.

NOTE: For Example, the students will receive the 20 ECTS of the Double Project further to successful completion of the 2 semesters (10* + 10*).