uc3m | Universidad Carlos III de Madrid

COURSE: Programming			
DEGREE: Bachelor's Degree in Computer Science and Engineering	YEAR: 1st		TERM: 1st

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	Indicate YES/NO If the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT	
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS
1	4/9	**1. Introduction**	X				Weekly assignments (individual): algorithms	1.66	2
2	10/9	**3. Introduction to Python**	X				Weekly assignments (individual): flow diagrams	1.66	6
	11/9	**2. Flow diagrams** Correcting exercises: algorithms Exercises: flow diagrams		X	Computer room			1.66	
3	17/9	**3. Introduction to Python**	X				Weekly assignments (in pairs): variables and operators	1.66	6
	18/9	Correcting exercises: flow diagrams Introduction of the development environment Exercises: variables and arithmetic operators		X	Computer room			1.66	
4	24/9	**4. Control flow** a. Conditionals	X				Weekly assignments (in pairs): casting, I/O and decision making	1.66	6
	25/9	Correcting exercises: variables and operators. Exercises: casting, I/O and decision making		X	Computer room			1.66	
5	1/10	**4. Control flow** b. Loops	X				Weekly assignments (in pairs): looping statements.	1.66	6
	2/10	Correcting exercises: casting, I/O and decision making		X	Computer room			1.66	

			X	X	Room			1.66	
		Exercises: looping statements.							
6	8/10	**5. Simple data structures** a. Lists and tuples	X				Weekly assignments (in pairs): lists and tuples.	1.66	6
	9/10	Correcting exercises: looping statements. Debugging. Exercises: lists and tuples.		X	Computer room			1.66	
7	15/10	**5. Simple data structures** b. Dictionaries	X				Mid-term exam preparation	1.66	7
	16/10	Correcting exercises: lists and tuples.		X	Computer room			1.66	
8	22/10	**Mid-term exam**	X				Weekly assignments (in pairs): dictionaries.	1.66	7
	23/10	Exercises: dictionaries.		X	Computer room			1.66	
9	29/10	**6. Functions**	X				Weekly assignments (in pairs): functions (I)	1.66	7
	30/10	Correcting exercises: dictionaries. Exercises: functions (I) **Introduction to the final project**		X	Computer room			1.66	
10	5/11	**6. Functions**	X				Weekly assignments (in pairs): functions (II). Work on final project	1.66	7
	6/11	Correcting exercises: functions (I) Exercises: functions (II)		X	Computer room			1.66	
11	12/11	**6. Functions** **7. Introduction to Object Oriented Programming**	X				Final project design Weekly assignments (in pairs): objects (I)	1.66	7
	13/11	Correcting exercises: functions (II). Exercises: objects (I)		X	Computer room			1.66	
12	19/11	**7. Introduction to Object Oriented Programming**	X				Weekly assignments (in pairs): objects (II). Work on final project	1.66	7
	20/11	Correcting exercises: objects (I) Exercises: objects (II)		X	Computer room			1.66	
13	26/11	**7. Introduction to Object Oriented Programming**	X				Work on final project	1.66	7
	27/11	Correcting exercises: objects (II)		X	Computer room	YES		1.66	
14	3/12	Work on final project		X	Computer room	YES	Work on final project	1.66	7
	4/12	Work on final project		X	Computer room	YES		1.66	
15	10/12	**8. Algorithms**	X				Final exam preparation	1.66	7
	11/12	Oral exam of final project		X	Computer	YES		1.66	

					room				
					Subtotal1			48	95
		Total 1 *(Hours of class plus student homework hours between weeks 1-15)*						143	

16		Final exam						3	14
					Subtotal 2			3	14
		Total 2 *(Hours of class plus student homework hours between weeks 16-18)*						17	
TOTAL *(Total 1 + Total 2. <u>Maximum 160 hours</u>)*								**160**	