

COURSE: Programming		
DEGREE: Dual Bachelor in Computer Science and Engineering and Business Administration	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	5/9	1. Introduction	X				Weekly assignments (individual): algorithms	1.66	4
	6/9	3. Introduction to Python	X			1.66			
2	9/9	2. Flow diagrams Correcting exercises: algorithms Exercises: flow diagrams		X	Computer room		Weekly assignments (individual): flow diagrams	1.66	5
	13/9	3. Introduction to Python	X			1.66			
3	16/9	Correcting exercises: flow diagrams Introduction of the development environment Exercises: variables and arithmetic operators		X	Computer room		Weekly assignments (in pairs): variables and operators	1.66	5
	20/9	4. Control flow a. Conditionals	X			1.66			
4	23/9	Correcting exercises: variables and operators. Exercises: casting, I/O and decision making		X	Computer room		Weekly assignments (in pairs): casting, I/O and decision making	1.66	6
	27/9	4. Control flow b. Loops	X			1.66			
5	30/9	Correcting exercises: casting, I/O and decision making		X	Computer room		Weekly assignments (in pairs): looping statements.	1.66	6

		Exercises: looping statements.							
	4/10	5. Simple data structures a. Lists and tuples	X					1.66	
6	7/10	Correcting exercises: looping statements. Debugging. Exercises: lists and tuples.		X	Computer room		Weekly assignments (in pairs): lists and tuples.	1.66	6
	11/10	5. Simple data structures b. Dictionaries	X					1.66	
7	14/10	Correcting exercises: lists and tuples.		X	Computer room		Mid-term exam preparation	1.66	7
	18/10	Mid-term exam	X					1.66	
8	21/10	Exercises: dictionaries.		X	Computer room		Weekly assignments (in pairs): dictionaries.	1.66	7
	25/10	6. Functions	X					1.66	
9	28/10	Introduction to the final project Correcting exercises: dictionaries. Exercises: functions (I)		X	Computer room		Weekly assignments (in pairs): functions (I)	1.66	7
	31/10	6. Functions	X					1.66	
10	4/11	Correcting exercises: functions (I) Exercises: functions (II)		X	Computer room		Weekly assignments (in pairs): functions (II). Work on final project	1.66	7
	8/11	6. Functions 7. Introduction to Object Oriented Programming	X					1.66	
11	11/11	Correcting exercises: functions (II). Exercises: objects (I)		X	Computer room		Final project design Weekly assignments (in pairs): objects (I)	1.66	7
	15/11	7. Introduction to Object Oriented Programming	X					1.66	
12	18/11	Correcting exercises: objects (I) Exercises: objects (II)		X	Computer room		Weekly assignments (in pairs): objects (II). Work on final project	1.66	7
	22/11	7. Introduction to Object Oriented Programming	X					1.66	
13	25/11	Correcting exercises: objects (II)		X	Computer room	YES	Work on final project	1.66	7
	29/11	8. Algorithms	X					1.66	
14	2/12	Work on final project		X	Computer room	YES	Work on final project	1.66	7
	5/12	Work on final project		X	Computer room	YES		1.66	
15	13/12	Oral exam of final project		X	Computer	YES	Final exam preparation	1.66	7

					room				
							Subtotal1	48	95
							Total 1 (<i>Hours of class plus student homework hours between weeks 1-15</i>)		143
16		Final exam							
							Subtotal 2	3	14
							Total 2 (<i>Hours of class plus student homework hours between weeks 16-18</i>)		17
							TOTAL (<i>Total 1 + Total 2. Maximum 160 hours</i>)		160