

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	1	1. Introduction	X				Weekly assignments: algorithms	1.66	4
	2	3. Introduction to Python	X			1.66			
2	3	2. Flow diagrams Correcting exercises: algorithms Exercises: flow diagrams		X	In person class		Weekly assignments: flow diagrams	1.66	5
	4	3. Introduction to Python	X			1.66			
3	5	Correcting exercises: flow diagrams Introduction of the development environment Exercises: variables and arithmetic operators		X	In person class		Weekly assignments: variables and operators	1.66	5
	6	4. Control flow a. Conditionals	X			1.66			
4	7	Correcting exercises: variables and operators. Exercises: I/O and decision making		X			Weekly assignments: casting, I/O and decision making	1.66	6
	8	4. Control flow b. Loops	X			1.66			
5	9	Correcting exercises: I/O and decision making Exercises: looping statements.		X			Weekly assignments: looping statements.	1.66	6
	10	5. Simple data structures a. Lists and tuples	X			1.66			
6	11	Correcting exercises: looping statements. Debugging. Exercises: lists and tuples.		X			Weekly assignments: lists and tuples.	1.66	6
	12	5. Simple data structures b. Dictionaries	X			1.66			

7	13	Correcting exercises: lists and tuples. Mid-term exam preparation		X	In person class		Mid-term exam preparation	1.66	7
	14	6. Functions	X					1.66	
8	15	Mid-term exam Exercises: dictionaries.		X	In person class		Weekly assignments: dictionaries.	1.66	7
	16	6. Functions	X					1.66	
9	17	Introduction to the final project Correcting exercises: dictionaries. Exercises: functions (I)		X	In person class		Weekly assignments: functions (I)	1.66	7
	18	6. Functions	X					1.66	
10	19	Correcting exercises: functions (I) Exercises: functions (II)		X			Weekly assignments: functions (II). Work on final project	1.66	7
	20	7. Introduction to Object Oriented Programming	X					1.66	
11	21	Correcting exercises: functions (II). Exercises: objects (I)		X		YES	Final project design Weekly assignments: objects (I)	1.66	7
	22	7. Introduction to Object Oriented Programming	X					1.66	
12	23	Correcting exercises: objects (I) Exercises: objects (II)		X			Weekly assignments: objects (II). Work on final project	1.66	7
	24	7. Introduction to Object Oriented Programming	X					1.66	
13	25	Correcting exercises: objects (II)		X			Work on final project	1.66	7
	26	8. Algorithms	X					1.66	
14	27	Work on final project		X		YES	Work on final project	1.66	7
	28	Work on final project		X		YES		1.66	
15	29	Oral exam of final project		X		YES	Final exam preparation	1.66	7

Subtotal1 **48** **95**

Total 1 (Hours of class plus student homework hours between weeks 1-15)	143
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16		Final exam						3	14
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Subtotal 2 **3** **14**

Total 2 (Hours of class plus student homework hours between weeks 16-18)	17
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TOTAL (Total 1 + Total 2. Maximum 160 hours)	160
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