



COURSE: Programming

BACHELOR'S DEGREE:
Bachelor's Degree in Mecanical Engineering

CURSO: 1

CUATRIMESTRE: 1

PLANIFICACIÓN SEMANAL DE LA ASIGNATURA

WEEK	SESSION	DESCRIPTION	GROUPS		SPECIAL ROOM FOR SESSION (Computer class room, audio--visual class room)	Indicate YES/NO If the session needs 2 teachers: Maximum 4 sessions	GROUPS		
			LECTURE	SEMINAR			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Maximum 7h)
1	1	Presentation and introduction to algorithms Exercises on Algorithms	X			NO	Solving exercises on algorithms	1,66	4,66
	2	Exercises on Algorithms		X	face to face	NO		1,66	
2	3	Programming foundations	X			NO	Solving exercises on algorithms	1,66	7
	4	Exercises on Algorithms		X		NO		1,66	
3	5	Programming foundations	X			NO	Solving exercises on algorithms	1,66	7
	6	Exercises on Algorithms		X		NO		1,66	
4	7	Programming language syntax: data types, operators and library functions, input / output	X			NO	Solving exercises on algorithms	1,66	7
	8	Development environment: compiling, debugging and execution		X	face to face	NO		1,66	

5	9	First midterm exam: Test about programming foundations	X		online	NO	Setting up development environment	1,66	7
	10	Programming language syntax: selection statements Publication of Exercise 1		X		NO		1,66	
6	11	Programming language syntax: selection statements	X			NO	Solving coding exercises	1,66	7
	12	Coding exercises: selection statements		X		NO		1,66	
7	13	Programming language syntax: iteration statement	X			NO	Solving coding exercises	1,66	7
	14	Coding exercises: iteration statement Exercise 1. Selection (Delivery) Publication of Exercise 2.		X	face to face	YES		1,66	
8	15	Programming language syntax: functions	X			NO	Solving coding exercises	1,66	7
	16	Coding exercises: iteration statement		X		NO		1,66	
9	Extra	Coding exercises: functions		X		YES	Solving coding exercises	1,66	7
	17	Programming language syntax: functions exercises	X			NO		1,66	
	18	Coding exercises: functions		X		NO		1,66	
10	19	Programming language syntax: Lists	X			NO	Solving coding exercises	1,66	7
	20	Coding exercises: Lists Exercise 2. Loops and functions (Delivery) Publication of Exercise 3		X	face to face	YES		1,66	
11	21	Programming language syntax: Bidimensional Lists and dictionaries	X			NO	Solving coding exercises	1,66	7
	22	Coding exercises: Lists and bidimensional lists		X		NO		1,66	
12	23	Programming language syntax: Bidimensional Lists	X			NO	Solving coding exercises	1,66	7

	24	Coding exercises:: bidimensional lists		X		NO		1,66	
13	25	Programming language syntax: Dictionaries	X			NO	Solving coding exercises	1,66	7
	26	Coding exercises:: bidimensional lists		X		NO		1,66	
14	27	Programming language syntax: Dictionaries	X			NO	Solving coding exercises	1,66	7
	28	Exercise 3. List, bidimensional lists and dictionaries (Delivery)		X	face to face	YES		1,66	
Subtotal 1								48,14	95,66
Total 1 (Horas presenciales y de trabajo del alumno entre las semanas 1-14)								143,8	

15		Questions and doubts	X			NO	Questions and doubts	1,66	7
16		Final Exam	X			NO	Prepare final exam	3	8
17									
18									
Subtotal 2								4,66	17
Total 2 (Horas presenciales y de trabajo del alumno entre las semanas 15-18)								21,66	
TOTAL (Total 1 + Total 2. <u>Máximo 180 horas</u>)								165,46	