



COURSE: Programming		
DEGREE: Bachelor in Mechanical Engineering	YEAR: FIRST	TERM: FIRST

WEEKLY PLANNING									
WEEK	SESSION	DESCRIPTION	GROUPS (Mark X)		SPECIAL ROOM FOR SESSION (Computer classroom, audiovisual classroom)	Indicate YES/NO If the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Course Introduction Programming Fundamentals (Part 1)	X			NO	Solve algorithm exercises	1,66	4,66
	2	Programming Fundamentals (Part 2)		X		NO		1,66	
2	3	Programming Fundamentals (Part 3) Test – Topic1	X			NO	Solve algorithm exercises	1,66	7
	4	Programming Environment Programming Languages: Introduction and Syntax (Part 1)		X		NO		1,66	
3	5	Programming Languages: Introduction and Syntax (Part 2)	X			NO	Practice setting up the programming environment	1,66	7
	6	Programming Languages: Introduction and Syntax (Part 3) Test – Topic2		X		YES		1,66	

4	7	Language Syntax: Selection Statements (Part 1) Practical Exercise 1 Statement	X			NO	Solve programming exercises	1,66	7
	8	Language Syntax: Selection Statements (Part 2) Test – Topic 3		X		NO		1,66	
5	9	Language Syntax: Loops (Part 1)	X			NO	Solve programming exercises	1,66	7
	10	Language Syntax: Loops (Part 2) Submission of Practical Exercise 1 (Introduction and Selection)		X		NO		1,66	
6	11	Language Syntax: Loops (Part 3) Practical Exercise 2 Statement	X			NO	Solve programming exercises	1,66	7
	12	Language Syntax: Loops (Part 4) Test – Topic 4		X		YES		1,66	
7	13	Language Syntax: Data Structures (Part 1)	X			NO	Solve programming exercises	1,66	7
	14	Language Syntax: Data Structures (Part 2)		X		NO		1,66	
8	15	Language Syntax: Data Structures (Part 3)	X			NO	Solve programming exercises	1,66	7
	16	Language Syntax: Data Structures (Part 4)		X		NO		1,66	
9	Extra	Language Syntax: Data Structures (Part 5)		X		NO	Solve programming exercises	1,66	7
	17	Language Syntax: Functions (Part 1) Test – Topic 5	X			NO		1,66	
	18	Language Syntax: Functions (Part 2) Practical Exercise 3 Statement		X		YES		1,66	
10	19	Language Syntax: Functions (Part 3) Submission of Practical Exercise 2 (Loops and Data Structures)	X			NO	Solve programming exercises	1,66	7

	20	Language Syntax: Functions (Part 4) Practical Exercise 3 Statement		X		NO		1,66	
11	21	Language Syntax: Functions (Part 5) Test – Topic 6	X			NO	Solve programming exercises	1,66	7
	22	Basic Algorithms: Search and Sort (Part 1)		X		NO		1,66	
12	23	Basic Algorithms: Search and Sort (Part 2)	X			NO	Prepare for the exam Solve programming exercises	1,66	7
	24	Basic Algorithms: Search and Sort (Part 3) Test – Topic 7		X		NO		1,66	
13	25	File Management (Part 1)	X			NO	Solve programming exercises	1,66	7
	26	File Management (Part 2)		X		NO		1,66	
14	27	File Management (Part 3) Test – Topic 8	X			NO	Solve programming exercises	1,66	7
	28	Submission of Practical Exercise 3 (Functions and Advanced Algorithms)		X		YES		1,66	
Subtotal 1								48,14	95,66
Total 1 (Hours of class plus student homework hours between weeks 1-14)								143,8	

15		Doubt Resolution (general tutoring if requested by students)	X			NO	Resolver dudas de la asignatura	1,66	7
16		Conducting the Final Exam	X			NO	Preparar el examen final de la asignatura	3	8
17									
18									
Subtotal 2								4,66	17
Total 2 (Hours of class plus student homework hours between weeks 15-18)								21,66	
TOTAL (Total 1 + Total 2. Maximum 180 horas)								165,46	