uc3m | Universidad Carlos III de Madrid

DENOMINACIÓN ASIGNATURA: PROGRAMACIÓN		
GRADO: INGENIERÍA ELÉCTRICA	CURSO: 1º	CUATRIMESTRE: 1º

La asignatura tiene 25 sesiones que se distribuyen a lo largo de 14 semanas. En cuatro de ellas habrá dos profesores.

PLANIFICACIÓN SEMANAL DE LA ASIGNATURA								
WEEK	SESSION	DESCRIPTION	GROUPS		SPECIAL ROOM FOR SESSION	The session needs 2 teachers	STUDENT'S WORK PER WEEK		
			LECTURE	SEMINAR			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS
1	1	Course Introduction Programming foundation: Computer algorithms	x				Course introduction Theory and exercises on algorithms	1,66	4
1	2	Exercises on algorithms		x			Theory and exercises on algorithms	1,66	
2	3	Course Introduction Programming foundation: Information and data representation	x				Theory and exercises on algorithms	1,66	7
2	4	Exercises on algorithms		x			Theory and exercises on algorithms	1,66	
3	5	Programming foundation: Design, coding and testing	x				Theory and exercises on algorithms	1,66	7
3	6	Exercises on algorithms		x			Theory and exercises on algorithms	1,66	
4	7	Programming foundation: Design, coding and testing	x				Theory and exercises on algorithms	1,66	7
4	8	Exercises on algorithms		x			Theory and exercises on algorithms	1,66	

5	9	**First midterm exam. Test about programming foundations**	x				Theory and exercises on algorithms	1,66	7
5	10	Development environment: compiling, debugging and execution		x	Computer lab	YES	Setting up development environment	1,66	
6	11	Programming language syntax: data program, operators and library functions	x				Theory and coding exercises	1,66	7
6	12	Coding exercises		x	Computer lab	YES	Theory and coding exercises	1,66	
7	13	Programming language syntax: input/output	x				Theory and coding exercises	1,66	7
7	14	Coding exercises		x	Computer lab		Theory and coding exercises	1,66	
8	15	Programming language syntax: selection statements	x				Theory and coding exercises	1,66	7
8	16	Coding exercises		x	Computer lab		Theory and coding exercises	1,66	
9	17	Programming language syntax: iteration statements	x				Theory and coding exercises	1,66	7
9	18	Coding exercises		x	Computer lab		Theory and coding exercises	1,66	
10	19	Programming language syntax: arrays	x				Theory and coding exercises	1,66	7
10	20	Coding exercises		x	Computer lab		Theory and coding exercises	1,66	
11	21	Programming language syntax: subprograms	x				Theory and coding exercises	1,66	7
11	22	Coding exercises		x	Computer lab		Theory and coding exercises	1,66	
12	23	Programming language syntax: subprograms	x				Theory and coding exercises	1,66	7
12	24	Coding exercises		x	Computer lab		Theory and coding exercises	1,66	
13	25	• Second midterm exam • Tracing code test	x				Theory and coding exercises	1,66	7
13	26	Coding exercises		x	Computer lab		Theory and coding exercises	1,66	

14	27	Programming language syntax: subprograms	x				Theory and coding exercises	1,66	7
14	28	Coding exercises		x	Computer lab		Theory and coding exercises	1,66	
						Subtotal 1	**46,48**	**95**
		Total 1 *(Lectures and student's homework hours. Weeks: 1-14)*						
15		Tutoring classes						2
16								
17		Self-working to prepare the final exam					3	20
18								
						Subtotal 2	**5**	**20**
		Total 2 *(Lectures and student's homework hours. Weeks: 15-18)*					25	
TOTAL *(Total 1 + Total 2. Máximo 180 horas)*							**166,48**	