Universidad Carlos III de Madrid
www.uc3m.es

COURSE: Computer Structure		
DEGREE: Grado en Applied Mathematics and Computing	YEAR: 2º	TERM: 1º

La asignatura tiene 29 sesiones que se distribuyen a lo largo de 14 semanas. Los laboratorios pueden situarse en cualquiera de ellas.
Semanalmente el alumnos tendrá dos sesiones, excepto en un caso que serán tres

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 (Max. 7h week)
1	1	Presentation and Introduction	X				Personal study	1,6	
1	2	Data representation and floating Point		X			Personal study and homework	1,6	7
2	3	Programming model of a computer	X				Personal study and homework	1,6	
2	4	Exercises		X			Personal study and homework	1,6	7
3	5	Data, instructions, and control structures	X				Personal study and homework	1,6	
3	6	Lab. 1		X	Computer class room		Personal study and homework	1,6	7
4	7	Addressing modes. Procedures and stack I	X				Personal study and homework	1,6	
4	8	Exercises		X			Personal study and homework	1,6	7

					Computer class room				
5	9	Procedures and stack II	X				Personal study and homework	1,6	
5	10	Exercises		X			Personal study and homework. MiniExam 1	1,6	7
6	11	Structure of a Elementary Computer	X				Personal study and homework	1,6	
6	12	Lab. 2		X	Computer class room		Personal study and homework	1,6	7
6	13	Exercises		X			Personal study and homework		
7	14	Elementary operations	X				Personal study and homework	1,6	
7	15	Exercises		X			Personal study and homework	1,6	7
8	16	Control unit design	X				Personal study and homework	1,6	
8	17	Lab. 3		X	Computer class room		Personal study and homework	1,6	7
9	18	Interrupts, starting of a computer	X				Personal study and homework	1,6	
9	19	Exercises		X			Personal study and homework. MiniExam 2	1,6	7
10	20	Memory Systems	X				Personal study and homework	1,6	
10	21	Exercises		X			Personal study and homework	1,6	7
11	22	Cache memory	X				Personal study and homework	1,6	
11	23	Lab. 4		X	Computer class room		Personal study and homework	1,6	7
12	24	Virtual Memory	X				Personal study and homework	1,6	
12	25	Exercises		X			Personal study and homework	1,6	7
13	26	Input/output systems	X				Personal study and homework	1,6	
13	27	Exercises		X			Personal study and homework. MiniExam 3	1,6	7
14	28	I/O techniques	X				Personal study and homework	1,6	
14	28	Exercises		X			Personal study and homework	1,6	7
		Subtotal 1						**48,33**	**101**
		Total 1 *(Hours of class plus student homework hours between weeks 1-14)*						149,33	

15		Tutorials, handing in, etc						16	
16									
17		Assessment						3	
18									10
		Subtotal 2						3	

Total 2 *(Hours of class plus student homework hours between weeks 15-18)*	29

TOTAL *(Total 1 + Total 2. <u>Maximum 180 hours</u>)*	**178,33**