

**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 GROUPS** SPECIAL WEEKLY PROGRAMMING FOR STUDENT (mark X) Indicate ROOM FOR YES/NO SESSION If the DESCRIPTION (Computer session class room, needs 2 audio-visual **HOMEWOR** teachers class room) HOURS LECTURES SEMINARS DESCRIPTION **CLASS HOURS** (Max. 7h week) 1 Presentation and Introduction Χ Personal study 1,6 1 1,6 Data representation and floating Point Χ Personal study and homework 7 2 Χ 1.6 Programming model of a computer Personal study and homework 2 4 1,6 **Exercises** Χ Personal study and homework 7 3 1.6 Χ Personal study and homework Data, instructions, and control structures Computer 3 6 1,6 Lab. 1 Personal study and homework 7 class room 4 Addressing modes. Procedures and stack I Χ 1,6 Personal study and homework 1,6 Exercises Χ Personal study and homework 7

5   10	5	9	Procedures and stack II	Х			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         1,6         7           7         14 Elementary operations         X         Personal study and homework         1,6         7           7         15 Exercises         X         Personal study and homework         1,6         7           8         16 Control unit design         X         Personal study and homework         1,6         7           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         7           9         19 Exercises         X         Personal study and homework         1,6         7           10         20 Memory Systems         X         Personal study and homework         1,6         7           11         22 Exercises         X         Personal study and homework         1,6         7           11         22 Exercises         X         Personal study and homework         1,6         7           12	5	10	Exercises		Х		·	1,6	7
12   Lab. 2	6	11	Structure of a Elementary Computer	Х			Personal study and homework	1,6	
7         14         Elementary operations         X         Personal study and homework         1,6         7           7         15         Exercises         X         Personal study and homework         1,6         7           8         16         Control unit design         X         Personal study and homework         1,6         7           8         17         Lab. 3         X         Personal study and homework         1,6         7           9         18         Interrupts, starting of a computer         X         Personal study and homework         1,6         7           9         18         Exercises         X         Personal study and homework         1,6         7           10         20         Memory Systems         X         Personal study and homework         1,6         7           10         21         Exercises         X         Personal study and homework         1,6         7           11         22         Cache memory         X         Personal study and homework         1,6         7           11         23         Lab. 4         X         Computer class room         Personal study and homework         1,6         7           12         25         Exe	6	12	Lab. 2		х	•	Personal study and homework	1,6	7
7	6	13	Exercises		X		Personal study and homework		
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         7           9         19         Exercises         X         Personal study and homework. MiniExam 2         1,6         7           10         20         Memory Systems         X         Personal study and homework         1,6         7           11         22         Exercises         X         Personal study and homework         1,6         7           11         22         Cache memory         X         Personal study and homework         1,6         7           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         7           12         25         Exercises         X         Personal study and homework         1,6         7           13 <t< td=""><td>7</td><td>14</td><td>  Elementary operations</td><td>X</td><td></td><td></td><td>Personal study and homework</td><td>1,6</td><td></td></t<>	7	14	Elementary operations	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         7           10         20         Memory Systems         X         Personal study and homework         1,6         7           10         21         Exercises         X         Personal study and homework         1,6         7           11         22         Cache memory         X         Personal study and homework         1,6         7           11         23         Lab. 4         X         Personal study and homework         1,6         7           12         24         Virtual Memory         X         Personal study and homework         1,6         7           12         25         Exercises         X         Personal study and homework         1,6         7           13         26         Input/output systems         X         Personal study and homework         1,6         7           14         28         I/O techniques         X         Personal study and homework         1,6         7           14         28	7	15	Exercises		X		Personal study and homework	1,6	7
S	8	16	Control unit design	X			Personal study and homework	1,6	
9   19   Exercises	8		Lab. 3		X	•	Personal study and homework	1,6	7
10   20   Memory Systems	9	18	Interrupts, starting of a computer	Х			Personal study and homework	1,6	
10   21   Exercises	9	19	Exercises		X		Personal study and homework. MiniExam 2	1,6	7
11   22   Cache memory   X	10	20	Memory Systems	X			Personal study and homework	1,6	
11   23   Lab. 4	10	21	Exercises		X		Personal study and homework	1,6	7
11   23   Lab. 4	11	22	Cache memory	X			Personal study and homework	1,6	
12   25   Exercises	11	23	Lab. 4		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         7           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         3         3           18         Assessment         3           10         10	12	24	Virtual Memory	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         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         3         3           17         Assessment         3           18         10	12	25	Exercises		X		Personal study and homework	1,6	7
14         28         I/O techniques         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         3         3           17         Assessment         3           18         10	13	26	Input/output systems	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         3           17         Assessment         3           18         10	13	27	Exercises		X		Personal study and homework. MiniExam 3	1,6	7
Total 1 (Hours of class plus student homework hours between weeks 1-14)   149,33   101	14	28	I/O techniques	X			Personal study and homework	1,6	
Total 1 (Hours of class plus student homework hours between weeks 1-14)  149,33  15 Tutorials, handing in, etc  16 Assessment  18 Assessment  10 10	14	28	Exercises		X		Personal study and homework	1,6	7
15         Tutorials, handing in, etc         16           16         3           17         Assessment         3           18         10	Subtotal 1							48,33	101
16   17   Assessment   3   10	<b>Total 1</b> (Hours of class plus student homework hours between weeks 1-14)							149,3	33
16   17   Assessment   3   10	15	15 Tutorials handing in etc							
17         Assessment         3           18         10	h	+	Tutoriais, nanding in, etc		_	+			Τ
18 10	-	+	Assessment					ا ت	
	$\vdash$	+	Assessment					5 ,	10
	10						Subtotal 2	3	10

TOTAL (Total 1 + Total 2 Maximum 180 hours)	

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

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