



COURSE: THERMAL SYSTEM DESING 19/20

DEGREE: BACHELOR IN INDUSTRIAL TECHNOLOGY ENGINEERING

YEAR: 4º

TERM: 1º

WEEKLY PLANNING

WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		Special room for session (computer class room, audio-visual classroom.)	Indicate YES/NO if the sesión needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT		
			GRANDE	PEQUEÑO			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h WEEK)
1	1	Introduction.	x			NO	Review of the previous session.	1,66	6.5
1	2	Technical Building code (I). Energy certification. Basic Documents.		x		NO	Review of the previous session.	1,66	
2	3	Technical Building Code (II). Determine the overall heat transfer coefficient for a building.	x			NO	Review of the previous session.	1,66	6.5
2	4	Temperature distribution in a wall. Psychrometry. Condensations.		x		NO	Review of the previous session.	1,66	
3	5	Exercise on the theory previously taught	x			NO	Review of the previous session.	1,66	6.5

3	6	Regulation of Thermal Installations in Buildings. Thermal Load. Energy demand		x		NO	Review of the previous session.	1,66	
4	7	Lab practice 1	x		Computer class room	NO	Pore over the practical guides before attending the sessions. Draw up a report with the results obtained. Review previous sessions.	1,66	
4	8	Air-conditioning systems (I). Devices.		x		NO	Review of the previous session.	1,66	6.5
5	9	Air-conditioning systems (II)	x			NO	Review of the previous session.	1,66	6.5
5	10	Vapour compression cycle: air-cooling (I)	x			NO	Review of the previous session.	1,66	
6	11	Vapour compression cycle: air-cooling (II)		x		NO	Review of the previous session.	1,66	6.5
6	12	Exercise on the theory previously taught.	x			NO	Review of the previous session.	1,66	6.5
7	13	Lab practice 2		x	Computer class room	NO	Pore over the practical guides before attending the sessions. Draw up a report with the results obtained. Review previous sessions.	1,66	
7	14	Exercise on the theory previously taught	x			NO	Review of the previous session.	1,66	6.5
8	15	Lab practice 3	x		Computer class room		Pore over the practical guides before attending the sessions. Draw up a report with the results obtained. Review previous sessions.	1,66	
8	16	Absorption cooling systems.		x		NO	Review of the previous session.	1,66	6.5
9	17	Hot water systems.	x			NO	Review of the previous session.	1,66	
9	18	Radiators. Exercises.		x		NO	Review of the previous session.	1,66	6.5
10	19	Exercise on the theory previously taught	x			NO	Review of the previous session.	1,66	
10	20	Freezing chambers (I)		x			Review of the previous session.	1,66	6.5
11	21	Partial exam	x				Continuous assessment test.	1,66	
11	22	Freezing chambers (II): Thermal load		x		NO	Review of the previous session.	1,66	6.5
12	23	Thermodynamic cycles for freezing chambers					Review of the previous session.	1,66	
12	24	Exercise on the theory previously taught	x				Review of the previous session.	1,66	6.5

13	25	Lab practice 4	x		lab	Pore over the practical guides before attending the sessions. Draw up a report with the results obtained. Review previous sessions.	1,66	
13	26	Refrigerants. Environmental impact. Exercise		x		Review of the previous session.	1,66	6.5
14	27	Exercise on the theory previously taught	x			Review of the previous session.		
Subtotal 1							44.82	91
Total 1 (Hours of class plus student homework hours between weeks 1-14)							135.8	
15		Tutorials, handing in, etc				Review classes	1,66	
16		Assessment				Study. Problem-solving.	2	10
17								
18								
Subtotal 2							2	10
Total 2 (Hours of class plus student homework hours between weeks 15-18)							14	
TOTAL (Total 1 + Total 2. <u>Máximo 150 horas</u>)							150	