

COURSE: THERMAL SYSTEMS DESING		
DEGREE: BACHELOR IN MECHANICAL ENGINEERING	YEAR: 3º	TERM: 2º

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	WEEKLY PROGRAMMING FOR STUDENT		
			L E C T U R E S	S E M I N A R S		DESCRIPTION	CLASS HOURS (1,66=50+50 min)	HOMEWORK HOURS (Max. Estim. 3,25h)
1	1	Introduction. Technical Building code		x		Review of the previous session.	1.66	3
2	2	Determine the overall heat transfer coefficient for a building. Examples.	x			Review of the previous session.	1.66	3
3	3	Thermal Load. Energy demand. Exercise.		x		Review of the previous session.	1.66	3
4	4	Vapour compression cycles. Auxiliary devices. (I)	x			Review of the previous session.	1.66	3
5	5	Lab practice 1		x	Computer	Pore over the practical guides before attending the sessions. Draw up a report with the results obtained. Review previous sessions.	1.66	3
6	6	Vapour compression cycles. Auxiliary devices. (II)	x			Review of the previous session.	1.66	3
7	7	Exercise on the theory previously taught: refrigeration		x		Review of the previous session.	1.66	3
8	8	Exercise on the theory previously taught: refrigeration: heating	x			Review of the previous session.	1.66	3
9	9	partial exam		x		Review of sessions	1.66	3
10	10	Freezing systems.	x			Review of the previous session.	1.66	3
11	11	Freezing chambers Thermal load. Exercise	x			Review of the previous session.	1.66	3

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12	12	Lab practice 2		x	LAB	Pore over the practical guides before attending the sessions. Draw up a report with the results obtained. Review previous sessions.	1.66	3
13	13	Double-stage cycles. Exercise.	x			Review of the previous session.	1.66	3
14	14	Refrigerants. Environmental impact. Examples.		x		Review of the previous session.	1.66	3
	15	Additional session					1.66	
Subtotal 1							25	42
Total 1 (Hours of class plus student homework)							67	
15		Tutorials, handing in, etc					1.8	-
16		Assessment					4	4
17								
18								
Subtotal 2							6	4
Total 2 (Hours of class plus student homework)							10	
TOTAL (<i>Maximun 83 horas</i>)							77	