

<b>COURSE: Elasticity and Strength of Material</b>		
<b>DEGREE: Grado en Ingeniería en Tecnologías Industriales</b>	<b>YEAR: 3rd</b>	<b>TERM: 1nd</b>

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. 6,5h)
1	1	CHAPTER 1. INTRODUCTION TO SOLID MECHANICS Subject 1 Equilibrium in deformable bodies	x			Previous reading of proposed themes Personal work about lesson	1.66	6.5
	2	Exercises resolution related with Subject 1		x		Personal work about Subject 1 Proposed exercises. Discussion	1.66	
2	3	Subject 2 Kinematic of deformable bodies	x			Previous reading of proposed themes Personal work about lesson	1.66	6.5
	4	Exercises resolution related with Subject 2		x		Personal work about Subject 2 Proposed exercises. Discussion	1.66	
3	5	Subject 3: Constitutive equations	x			Previous reading of proposed themes Personal work about lesson	1.66	6.5
	6	Exercises resolution related with Subject 3		x		Personal work about Subject 3 Proposed exercises. Discussion	1.66	
	7	Subject 4: Failure criteria	x			Previous reading of proposed themes Personal work about lesson	1.66	

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4	8	Exercises resolution related with Subject 4		x		Personal work about Subject 4 Proposed exercises. Discussion	1.66	6.5
5	9	CHAPTER 2. ELASTICITY Subject 5: Differential formulation	x			Previous reading of proposed themes Personal work about lesson	1.66	6.5
	10	Exercises resolution related with Subject 5		x		Personal work about Subject 5 Proposed exercises. Discussion	1.66	
6	11	Subject 6: Integral formulation and principles Continuum evaluation test	x			Previous reading of proposed themes Personal work about lesson	1.66	6.5
	12	Exercises resolution related with Subject 6		x		Personal work about Subject 6 Proposed exercises. Discussion	1.66	
7	13	Subject 7: Two dimensional theory of Elasticity (I)	x			Previous reading of proposed themes Personal work about lesson	1.66	6.5
	14	Exercises resolution related with Subject 7		x		Personal work about Subject 7 Proposed exercises. Discussion	1.66	
8	15	Subject 8: Two dimensional theory of Elasticity (II)	x			Previous reading of proposed themes Personal work about lesson	1.66	6.5
	16	Laboratory session 2			x	- Work in groups -Analysis of data -Report writing	1.66	
9	17	CHAPTER 3. STRESSES IN BEAMS Subject 9: Bending in beams (I)				Previous reading of proposed themes Personal work about lesson	1.66	6.5
	18	Exercises resolution related with Subject8				Personal work about Subject 8 Proposed exercises. Discussion	1.66	
10	19	Subject 10: Bending in beams (II)				Previous reading of proposed themes Personal work about lesson	1.66	6.5

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			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. 6,5h)
	20	Laboratory session 3				- Work in groups -Analysis of data -Report writing	1.66	0.5
11	21	Subject 11: Torsion				Previous reading of proposed themes Personal work about lesson	1.66	6.5
	22	Exercises resolution related with Subject 9				Personal work about Subject 9 Proposed exercises. Discussion	1.66	
12	23	Subject 12: Deflections of beams (I)				Previous reading of proposed themes Personal work about lesson	1.66	6.5
	24	Exercises resolution related with Subject 10				Personal work about Subject 10 Proposed exercises. Discussion	1.66	
13	25	Subject 12: Deflections of beams (II)				Previous reading of proposed themes Personal work about lesson	1.66	6.5
	26	Exercises resolution related with Subject 11				Personal work about Subject 11 Proposed exercises. Discussion	1.66	
14	27	Laboratory session 1 (This session is scheduled in week 7)				- Work in groups -Analysis of data -Report writing	1.66	6.5
	28	Exercises resolution related with Subject 12				Personal work about Subject 12 Proposed exercises. Discussion	1.66	
	29	Laboratory session 4 (This session is scheduled in week 12)				- Work in groups -Analysis of data -Report writing	1.66	3.25
<b>Subtotal 1</b>							<b>48</b>	<b>94</b>

<b>Total 1 (Hours of class plus student homework)</b>							<b>142</b>
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15		Tutorials, handing in, etc					3.6	-
16								

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			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. 6,5h)
17		Assessment					4	10
18								
<b>Subtotal 2</b>							<b>8</b>	<b>10</b>
<b>Total 2 (Hours of class plus student homework)</b>							<b>18</b>	
<b>TOTAL (Maximun 160 horas)</b>							<b>160</b>	