

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

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. Kinematic of 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. Equilibrium in 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	CHAPTER 2. ELASTICITY Subject 4: Elasticity formulation	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	Subject 5: Two dimensional theory of Elasticity (I)	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 5: Two dimensional theory of Elasticity (II) Subject 6: Failure criteria	x			Previous reading of proposed themes Personal work about lesson	1.66	6.5
	12	Exercises resolution related with Subject 5 and 6		x		Personal work about Subject 5 and 6 Proposed exercises Discussion	1.66	
7	13	Continuum evaluation tests	x			Previous reading of proposed themes Personal work about lesson	1.66	6.5
	14	Exercises resolution related with Subjects 5 and 6 Laboratory session 1		x	x	Personal work about Subject 5 and 6 Proposed exercises Discussion Work in groups Analysis of data Report writing	1.66	
8	15	CHAPTER 3. Introduction to Strength of Materials Subject 7: Bending in beams (I)	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	
	17	Subject 7: Bending in beams (II)	x			Previous reading of proposed themes Personal work about lesson	1.66	

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9	18	Exercises resolution related with Subject 7		x		Personal work about Subject 9 Proposed exercises Discussion	1.66	6.5
10	19	Subject 7: Bending in beams (III)	x			Previous reading of proposed themes Personal work about lesson	1.66	6.5
	20	Laboratory session 3			x	Work in groups Analysis of data Report writing	1.66	
11	21	Subject 8: Torsion	x			Previous reading of proposed themes Personal work about lesson	1.66	6.5
	22	Exercises resolution related with Subject 7				Personal work about Subject 9 Proposed exercises Discussion	1.66	
12	23	Subject 9: Deflections of beams				Previous reading of proposed themes Personal work about lesson	1.66	6.5
	24	Exercises resolution related with Subject 8				Personal work about Subject 10 Proposed exercises Discussion	1.66	
13	25	Subject 10: Analysis of hiperstatic structures				Previous reading of proposed themes Personal work about lesson	1.66	6.5
	26	Exercises resolution related with Subject 9 and 10				Personal work about Subject 11 Proposed exercises Discussion	1.66	
14	27	See week 7				Work in groups Analysis of data Report writing	1.66	6.5
	28	Exercises resolution related with Subject 9 and 10				Personal work about Subject 12 Proposed exercises Discussion	1.66	

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	29	Laboratory session 4				Work in groups Analysis of data Report writing	1.66	3.25
Subtotal 1							48	94
Total 1 (Hours of class plus student homework)							142	
15		Tutorials, handing in, etc					3.6	-
16		Assessment					4	10
17								
18								
Subtotal 2							8	10
Total 2 (Hours of class plus student homework)							18	
TOTAL (Maximun 160 horas)							160	