Universidad Carlos III de Madrid
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COURSE: MECHANICS OF STRUCTURES		
DEGREE: BACHELOR IN ENERGY ENGINEERING	**YEAR: 2nd**	**SEMESTER: 1st**

COMMENTS:

- ***The weekly schedule may undergo some modifications due to the adequacy of the classes. Such changes shall be notified by the teacher using Aula Global.***
- ***The date of the continual assessment exam may change.***
- ***Laboratory sessions may be located in any of the weeks of the course.***

WEEKLY PLANNING

WEEK	SESSION	LESSON DESCRIPTION	GROUP (Mark X)		SPECIAL ROOM FOR SESSION (Computer classroom, audio-visual classroom, etc.)	Indicate YES/NO if the session needs two teachers	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	**TOPIC 1: FORCE SYSTEM AND EQULIBRIUM**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about forces systems and equilibrium.	1.66	7
1	2	Solutions of exercises and questions related to session 1		X		NO	Execution of exercises and questions related to session 1	1.66	
2	3	**TOPIC 2: REACTIONS AND FORCES I**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about reactions and forces I	1.66	7
2	4	Solutions of exercises and questions related to session 3.		X		NO	Execution of exercises and questions related to session 3	1.66	

3	5	**TOPIC 3: REACTIONS AND FORCES II**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about reactions and forces II	1.66	7
3	6	Solutions of exercises and questions related to session 5.		X		NO	Execution of exercises and questions related to session 5	1.66	
4	7	**TOPIC 4: MOMENTS OF INERTIA**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about moments of inertia	1.66	7
4	8	Solutions of exercises and questions related to session 7.		X		NO	Execution of exercises and questions related to session 7	1.66	
5	9	**TOPIC 5: FORCE LAWS I**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about force laws I.	1.66	7
5	10	Solutions of exercises and questions related to session 9.		X		NO	Execution of exercises and questions related to session 9	1.66	
6	11	**TOPIC 6: FORCE LAWS II**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about force laws II.	1.66	7
6	12	Solutions of exercises and questions related to session 11.		X		NO	Execution of exercises and questions related to session 11	1.66	
7	13	**TOPIC 7: TRUSS STRUCTURES**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about truss structures.	1.66	7
7	14	Solutions of exercises and questions related to session 13.		X		NO	Execution of exercises and questions related to session 13	1.66	
8	15	LAB 1			COMP	YES	Lab session	2	7
8	16	**TOPIC 8: CABLE STRUCTURES**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about cable structures.	1.66	
9	17	Solutions of exercises and questions related to session 16.		X		NO	Execution of exercises and questions related to session 16	1.66	7
9	18	**CONTINUAL ASSESSMENT EXAM**	X			NO	Continual assessment exam	1.66	
10	19	Solution of the continual assessment exam		X		NO	Solution of the continual assessment exam	1.66	7
10	20	**TOPIC 9: DEFORMABLE BODY**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about the deformable body.	1.66	
11	21	Solution of exercises and questions related to session 20.		X		NO	Execution of exercises and questions related to session 20	1.66	7
11	22	LAB 2			LAB	YES	Lab session	2	
12	23	**TOPIC 10: CROSS-SECTION STRENGTH I**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about cross-section strength I.	1.66	7
12	24	Solution of exercises and questions related to session 23.		X		NO	Execution of exercises and questions related to session 23	1.66	
13	25	**TOPIC 10: CROSS-SECTION STRENGTH II**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about cross-	1.66	7

							section strength II.		
13	26	Solutions of exercises and questions related to session 25.		X		NO	Execution of exercises and questions related to session 25	1.66	
14	27	LAB 3			LAB	YES	Lab session	2	7
14	28	**TOPIC 10: CROSS-SECTION STRENGTH III**	X			NO	Personal work: basic knowledge acquisition and fundamental concepts understanding about cross-section strength III.	1.66	
	29	Solutions of exercises and questions related to session 28.		X		NO	Execution of exercises and questions related to session 28	1.66	4
							Total 1	**49.16**	**102**
							Total 1 *(Hours of class plus student homework hours between weeks 1-14)*	151.16	
15		Tutorials, handing in, etc.						0	5
16		Assessment						3	13
17									
18									
							Total 2	**3**	**18**
							Total 1 *(Hours of class plus student homework hours between weeks 15-18)*	21	
TOTAL *(Total 1 + Total 2. Max 180 hours)*								**172.16**	