

COURSE: Flight Mechanics I		
DEGREE: Aerospace Engineering	YEAR: 2019/2020	TERM: 2

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 to Mechanics of Flight	X			Reading corresponding book chapters. Study and personal work about the lecture	1,66	3,25
2	2	Exercises on Reference Frames		X		Solve the proposed exercises	1,66	3,25
3	3	Equations of Motion	X			Reading corresponding book chapters. Study and personal work about the lecture	1,66	3,25
4	4	Exercises on Equations of Motion		X		Solve the proposed exercises	1,66	3,25
5	5	Performance. Level Flight	X			Reading corresponding book chapters. Study and personal work about the lecture	1,66	3,25
6	6	Exercises on Level Flight		X		Solve the proposed exercises	1,66	3,25
7	7	Lab 1: Level Flight Performance			X	Solve the exercises of the lab and prepare the report	1,66	3,25
8	8	Performance. Flight in a Vertical Plane	X			Reading corresponding book chapters. Study and personal work about the lecture	1,66	3,25
9	9	Exercises on Flight in Vertical Plane		X		Solve the proposed exercises	1,66	3,25

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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. 3,25h)	
10	10	Performance. Turning Flight	X			Reading corresponding book chapters. Study and personal work about the lecture	1,66	3,25	
11	11	Exercises on Turning Flight		X		Solve the proposed exercises	1,66	3,25	
12	12	Takeoff and landing	X			Reading corresponding book chapters. Study and personal work about the lecture	1,66	3,25	
13	13	Lab2. Performance different flight phases			X	Solve the exercises of the lab and prepare the report	1,66	3,25	
14	14	High Velocity Performance and Ground Effect	X				1,66	3,25	
	15	Exercises proposed in previous exams		X		Solve the proposed exercises	1,66	3,25	
Subtotal 1							25	49	
Total 1 (Hours of class plus student homework)							74		
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>)							83		