



COURSE: Airports		
DEGREE: Master in Aeronautical Engineering	YEAR: 1st	TERM: 2nd

*La asignatura tiene 29 sesiones que se distribuyen a lo largo de 14 semanas. Los laboratorios pueden situarse en cualquiera de ellas.
Semanalmente el alumnos tendrá dos sesiones, excepto en un caso que serán tres*

WEEKLY PLANNING									
WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio- visual class room)	Indicate YES/NO If the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	Case Study Exercises Group work			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Introduction to the Course	X			YES	Reading corresponding notes chapters	1,6	5
1	2	Traffic Forecast	X			NO	Study and personal work about the lecture	1,6	
2	3	Aircraft Characteristics related to airport design Case Study: London Airport System		X		NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	5
2	4	Introduction to Airport Finance	X			NO	Solve the proposed exercises/group work	1,6	
3	5	Physical Environment of the airport Environmental Impact of the Airport		X		NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	7
3	6	Organization and Financing Business Plan - Aeronautical Revenue.	X			NO	Solve the proposed exercises/group work	1,6	

4	7	Airfield Design - Runways	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	5
4	8	Airfield Capacity & Airfield Delay		X		NO	Solve the proposed exercises/group work	1,6	
5	9	Airfield Design - Taxiways	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	5
5	10	Airfield Design -Aprons		X		NO	Solve the proposed exercises/group work	1,6	
6	11	Airfield Design - Pavement calculations	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	7
6	12	Airfield Design – Drainage Airfield Design -Fire Fighters Building		X		NO	Solve the proposed exercises/group work	1,6	
7	13	Airfield Design - Heliports	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	7
7	14	Air Traffic Control & Air Navigation near the airport		X		NO	Solve the proposed exercises/group work	1,6	
8	15	Landside Design - Terminal Building	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	5
8	16	Landside Design - Terminal Building		X		NO	Solve the proposed exercises/group work	1,6	
9	17	Landside Design - Terminal Building	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	7
9	18	Non Aeronautical Revenue - Terminal Building		X		NO	Solve the proposed exercises/group work	1,6	
10	19	Landside Design - Terminal Building	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	7
10	20	Non Aeronautical Revenue - Property		X		NO	Solve the proposed exercises/group work	1,6	
11	21	Landside - Other Facilities	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	5
11	22	Opex		X		NO	Solve the proposed exercises/group work	1,6	
12	23	Capex	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	7
12	24	Capex		X		NO	Solve the proposed exercises/group work	1,6	
13	25	EBITDA and Debt	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	7
13	26	Group Project Working sessions in class.		X		YES	Solve the proposed exercises/group work	1,6	
14	27	Master Plan Concept Certification of Aerodromes	X			NO	Reading corresponding notes chapters Study and personal work about the lecture	1,6	5
14	28	Group Project Presentations		X		YES	Reporting and presentation	1,6	
15	29	Course Recap		X		YES	Personal study	1,6	-

