



<b>COURSE: WIND ENERGY</b>		
<b>DEGREE:</b> Bachelor in Energy Engineering	<b>YEAR:</b> 3	<b>TERM:</b> 2

*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	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	History of the Wind Energy Development	X			NO		1,6	
1	2	Wind Energy Development: cases studies		X	computer	NO	Solve the proposed exercises	1,6	7
2	3	Aerodynamics of Wind Turbines	X					1,6	
2	4	Aerodynamics of Wind Turbines		X	computer	NO	Solve the proposed exercises	1,6	7
3	5	Wind Statistics	X			NO		1,6	
3	6	Wind Statistics		X	computer	NO	Solve the proposed exercises	1,6	7
4	7	Overview of Wind Turbines	X			NO		1,6	
4	8	Wind Turbines types: case studies		X	computer	NO	Solve the proposed exercises	1,6	7
5	9	Overview of Wind Turbines	X			NO		1,6	7

5	10	Wind Turbines types: case studies		X	computer	NO	Solve the proposed exercises	1,6	
6	11	Wind turbine components	X			NO		1,6	
6	12	Wind turbine components: models		X	computer	NO	Solve the proposed exercises	1,6	7
7	13	Type 1 Wind Turbine System	X			NO		1,6	
7	14	Type 1 Wind Turbine System		X	computer	NO	Solve the proposed exercises	1,6	7
8	15	Type 2 Wind Turbine System	X			NO		1,6	
8	16	Type 2 Wind Turbine System		X	computer	NO	Solve the proposed exercises	1,6	7
9	17	Type 3 Wind Turbine System	X			NO		1,6	
9	18	Type 3 Wind Turbine System		X	computer	NO	Solve the proposed exercises	1,6	7
10	19	Type 3 Wind Turbine System	X			NO		1,6	
10	20	Type 3 Wind Turbine System		X	computer	NO	Solve the proposed exercises	1,6	7
11	21	Type 4 Wind Turbine System	X			NO		1,6	
11	22	Type 4 Wind Turbine System		X	computer	NO	Solve the proposed exercises	1,6	7
12	23	Type 4 Wind Turbine System	X			NO		1,6	
12	24	Type 4 Wind Turbine System		X	computer	NO	Solve the proposed exercises	1,6	7
13	25	Grid Integration	X			NO		1,6	
13	26	Grid Integration		X	computer	NO	Solve the proposed exercises	1,6	7
14	27	Economics of Wind Energy	X			NO		1,6	7
14	28	Type 3 Wind Turbine System		X	LAB	NO		1,6	7
	29	Type 4 Wind Turbine System		X	LAB	NO		1,6	7

**Subtotal 1**      **48,33**      **96**

<b>Total 1 (Hours of class plus student homework hours between weeks 1-14)</b>	<b>146</b>
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15		Tutorials, handing in, etc						10	
16		Assessment						3	
17									
18									

**Subtotal 2**      **13**

<b>Total 2 (Hours of class plus student homework hours between weeks 15-18)</b>	<b>13</b>
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**TOTAL** (*Total 1 + Total 2. Maximum 180 hours*)

**159**