



COURSE: ENERGY AND WATER		
DEGREE: ENERGY ENGINEERING	YEAR: 4	TERM: 2

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		Special room for session (computer classroom, audio-visual classroom...)	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Introduction: Water for society	X				1,5	6
2	2	Water for Energy Fossil-fuel plants		X			1,5	
3	3	Water use in fossil fuel power plants	X				1,5	7
4	4	Presentations of students of scientific papers		X			1,5	
5	5	Laboratory 1 Simulation of energy conversion processes	X		Computer room		1,5	7
6	6	Water use in renewable power plants and biofuels		X			1,5	
7	7	Strategies to reduce water use - Efficiency enhancement measures	X				1,5	7
8	8	Energy for water		X			1,5	

		Main energy users in water processes					
9	9	Processes for desalination	X				1,5
10	10	Laboratory 2 Energy requirement of the generation of water through desalination		X	Computer room		1,5
11	11	Presentations of students of scientific papers	X				1,5
12	12	a) Wastewater treatment and water purification b) The role of renewable energy sources in the generation/purification of water		X			1,5
13	13	Test	X				1,5
14	14	Final Project presentation		X			1,5

Subtotal 1 **21** **48**

Total 1 (<i>Hours of class plus student homework hours between weeks 1-7</i>)	69
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15		Tutorials, handing in, etc					3
16		Assessment					3
17							
18							

Subtotal 2 **3**

Total 2 (<i>Hours of class plus student homework hours between weeks 8-11</i>)	6
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TOTAL (<i>Total 1 + Total 2</i>)	75
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