



COURSE: Numerical Computing		
DEGREE: Energy Engineering	YEAR: 2016-2017	TERM: 2

La asignatura tiene 14 sesiones que se distribuyen a lo largo de 7 semanas.

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	Introduction to MATLAB	X		Computer class room		Solving exercises and problems	1,6	7
1	2	Floating point arithmetic in MATLAB	X		Computer class room		Solving exercises and problems	1,6	
2	3	Solving Linear Systems in MATLAB	X		Computer class room		Solving exercises and problems	1,6	7
2	4	Solving Linear Systems in MATLAB	X		Computer class room		Solving exercises and problems	1,6	
3	5	Solving Least Squares Problems in MATLAB	X		Computer class room		Solving exercises and problems	1,6	7
3	6	Solving Least Squares Problems in MATLAB	X		Computer class room		Solving exercises and problems	1,6	
4	7	Interpolation in MATLAB	X		Computer class room		Solving exercises and problems	1,6	7

4	8	Interpolation in MATLAB	X		Computer class room		Solving exercises and problems	1,6	
5	9	Solving Nonlinear Equations in MATLAB	X		Computer class room		Solving exercises and problems	1,6	
5	10	Solving Nonlinear Equations in MATLAB	X		Computer class room		Solving exercises and problems	1,6	7
6	11	Computing Integrals in MATLAB	X		Computer class room		Solving exercises and problems	1,6	
6	12	Computing Integrals in MATLAB	X		Computer class room		Solving exercises and problems	1,6	7
7	13	Solving ordinary differential equations in MATLAB.	X		Computer class room		Solving exercises and problems	1,6	
7	14	Solving ordinary differential equations in MATLAB.	X		Computer class room		Solving exercises and problems	1,6	7

Subtotal 1 **22,4** **49**

Total 1 (<i>Hours of class plus student homework hours between weeks 1-7</i>)	71,4
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8		Tutorials, handing in, etc							14
9		Assessment							
10								3	3
11									

Subtotal 2 **3**

Total 2 (<i>Hours of class plus student homework hours between weeks 8-11</i>)	17
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TOTAL (<i>Total 1 + Total 2. Maximum 90 horas</i>)	88,4
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() In EPS are given an additional 6 hours of complementary teaching along two sessions.*