

## 1st Term

FROM MONDAY, 9th SEPTEMBER 2013 TO FRIDAY, 17<sup>th</sup> JANUARY 2014 [1 ECTS=7 hours]

UDC, USC & UVigo

	Monday	Tuesday	Wednesday	Thursday	Friday
9 - 10			EDOSD (Comp)	EDP (Comp)	Opt+Control (OP)
10 - 11	M2C (Comp-Sp-Sim)		EDP (Comp)	M2C (Comp-Sp-Sim)	Opt+Control (OP)
11 - 12	M2C (Comp-Sp-Sim)	MNEDP (Comp)**	EDP (Comp)	EDOSD (Comp)	Opt+Control (OP)
12 - 13	MNP (Comp)	MNEDP (Comp)**	C-P (OP)*	EDOSD (Comp)	MNGSE (OP)
13 - 14	MNP (OB)	MNEDP (Comp)**	C-P (OP)* (Fin:13.30)	MNP (Comp)	MNGSE (OP) (Fin:13.30)
14 - 15					
15 - 16		CAD (OP)*	ACSO (OP )(Inc:15.30)		
16 - 17	MNEstocast (OP)	CAD (OP)*	ACSO (OP )		
17 - 18	MNEstocast (OP)	CAD (OP)*	MNEstocast (OP)		

Santiago: Faculty of Mathematics (USC)	Vigo: School of Telecommunications Engineering (UVigo)
A Coruña: Faculty of Computer Science (UDC)	A Coruña and Santiago
Vigo and Santiago	

## 2nd Term (January-March: UDC, USC & UVigo)

FROM MONDAY, 20th JANUARY 2014 TO FRIDAY, 21st MARCH 2014 (1 ECTS=7 hours)

### UDC, USC & UVigo

	Monday	Tuesday	Wednesday	Thursday	Friday
9 - 10	M2Ac (OP)	MSól (OP)	EO (OP)	EO (OP)	EO (OP)
10 - 11	M2Ac (OP)	MSól (OP)	EO (OP)	EO (OP)	EO (OP)
11 - 12	MEC (OP)	M2Ac (OP)	MSól (OP)	M2Ac (OP)	Amp-VF (OP)
12 - 13	MSól (OP)	M2Ac (OP)	MSól (OP)	M2Ac (OP)	Amp-VF (OP)
13 - 14	MSól (OP)	MEC (OP)	MFlu (OP)	MFlu (OP)	MFlu (OP)
14 - 15	Amp-VF (OP)	MEC (OP)	MFlu (OP)	MFlu (OP)	MFlu (OP)
15 - 16					
16 - 17	M2Fin (OP)	M2Fin (OP)	M2-MA (OP)	M2-MA (OP)	ProgC++ (OP)
17 - 18	M2Fin (OP)	M2Fin (OP)	M2-MA (OP)	M2-MA (OP)	ProgC++ (OP)
18 - 19	M2Fin (OP)	M2Fin (OP)	M2-MA (OP)	M2-MA (OP)	ProgC++ (OP)

### UPM & UC3M

	Monday	Tuesday	Wednesday	Thursday	Friday
18:00-19:30		MP (Comp-Sp-Mod)		MP (Comp-Sp-Mod)	

Santiago: Faculty of Mathematics (USC)	Vigo: School of Telecommunications Engineering (UVigo)
A Coruña: Faculty of Computer Science (UDC)	Madrid: School of Aeronautics and Space Engineering (UPM)   Madrid: School of Engineering (UC3M)

## 2nd Term (March-May: UDC, USC & UVigo)

FROM MONDAY, 24th MARCH 2014 TO WEDNESDAY, 28th MAY 2014 (1 ECTS=7 hours)

### UDC, USC & UVigo

	Monday	Tuesday	Wednesday	Thursday	Friday
9 - 10	Soft-Ac (OP) *	Soft-Ac (OP) *	Soft-MA (OP) *	Amp-EF (OP)	
10 - 11	Soft-Ac (OP) *	Soft-Ac (OP) *	Soft-MA (OP) *	Amp-EF (OP)	Amp-EF (OP)
11 - 12	Soft-Ac (OP) *	Soft-Flu (OP) *	Soft-EO (OP) *	Soft-Sol (OP) *	Soft-Fin (OP) *
12 - 13	Soft-Ac (OP) *	Soft-Flu (OP) *	Soft-EO (OP) *	Soft-Sol (OP) *	Soft-Fin (OP) *
13 - 14		Soft-Flu (OP) *	Soft-EO (OP) *	Soft-Sol (OP) *	Soft-Fin (OP) *
14 - 15					
15 - 16	Soft-EO (OP) *	Soft-Sol (OP) *	Soft-MA (OP) *	Soft-Flu (OP) *	Soft-Fin (OP) *
16 - 17	Soft-EO (OP) *	Soft-Sol (OP) *	Soft-MA (OP) *	Soft-Flu (OP) *	Soft-Fin (OP) *
17 - 18	Soft-EO (OP) *	Soft-Sol (OP) *	Soft-MA (OP) *	Soft-Flu (OP) *	Soft-Fin (OP) *
18 - 19	RCCD (OP)	AnalVarEDP (OP)	Soft-MA (OP) *	RCCD (OP)	
19 - 20	RCCD (OP)	AnalVarEDP (OP)	AnalVarEDP (OP)		

### UPM & UC3M

	Monday	Tuesday	Wednesday	Thursday	Friday
18:00-19:30		MP (Comp-Sp-Mod)		MP (Comp-Sp-Mod)	

Santiago: Faculty of Mathematics (USC)	Vigo: School of Telecommunications Engineering (UVigo)
A Coruña: Faculty of Computer Science (UDC)	Madrid: School of Aeronautics and Space Engineering (UPM) Madrid: School of Engineering (UC3M)

## ACRONYMS AND NOTATIONS USED

**FIRST TERM:** 9<sup>th</sup> September 2013 - 17<sup>th</sup> January 2014

### USC, UDC & UVigo

**M2C (Comp-Sp, 6):** Continuum mechanics

**MNP (Comp, 6):** Numerical methods and programming

**EDP (Comp, 6):** Partial differential equations

**EDOSD (Comp, 6):** Ordinary differential equations / Dynamical systems

**MNEDP (Comp, 6):** Numerical methods for partial differential equations

**CAD (OP, 6):** Computer-aided design

**ACSO (OP, 3):** Computer architectures and operative systems

**C-P (OP, 3):** Parallel computing

**MN-Estocas (OP, 6):** Stochastic numerical methods

**Opt+Control (OP, 6):** Optimization and control

**MNGSE (OP, 3):** Numerical methods for large systems of equations

**SECOND TERM 1:** 20<sup>th</sup> January 2014 - 21<sup>st</sup> March 2014

### USC, UDC & UVigo

**M2AC (OP, 6):** Acoustics

**MSol (OP, 6):** Solid Mechanics

**M2Fin (OP, 6):** Mathematical modelling in finance

**EO (OP, 6):** Electromagnetism and Optics

**MFlu (OP, 6):** Fluid mechanics



MÁSTER EN  
MATEMÁTICA  
INDUSTRIAL



UNIVERSIDADE DA CORUÑA

Universidade de Vigo



Universidad  
Carlos III de Madrid



POLITÉCNICA

**M2-MA (OP, 6):** Mathematical modeling in the environment

**Amp-VF (OP, 3):** Advanced finite volumes

**MEC (OP, 3):** Boundary element methods

**Prog-C++ (OP, 3):** Programming in C++

**UPM & UC3M**

**MP (OB, 6):** Perturbation methods

**SECOND TERM 2: 24th March 2014 – 28th March 2014**

**USC, UDC & UVigo**

**Soft-AC (OP, 6):** Professional software in acoustics

**Soft-Sol (OP, 6):** Professional software in solid mechanics

**Soft-Fin (OP, 6):** Professional software in finance

**Soft-EO (OP, 6):** Professional software in electromagnetism and optics

**Soft-Flu (OP, 6):** Professional software in fluid mechanics

**Soft-MA (OP, 6):** Professional software in environmental issues

**AnalVarEDP (OP, 3):** Variational analysis of partial differential equations

**Amp-EF (OP, 3):** Advanced finite elements

**RCCD (Op, 3):** Computer nets and distributed computing

**UPM & UC3M**

**MP (OB, 6):** Perturbation methods

Students must attend this subject where the professor is, due to software licensing issues.

\* Always / most days

\*\* some days