



1st Term

FROM MONDAY 8th of September TO FRIDAY 19th December 2014 (1 ECTS=7 hours)

UDC, USC & UVigo

	MONDAY	TUESDAY		WEDNESDAY	THURSDAY	FRIDAY
9 - 10				EDOSD [Comp]	[^①]EDP[COMP] / [^②]MNEDP[COMP]	Opt+Control [OP]
10 - 11	M2C [Comp-Sp-MS]			[^①]EDP[COMP] / [^②]MNEDP[COMP]	M2C [Comp-Sp-MS]	Opt+Control [OP]
11 - 12	M2C [Comp-Sp-MS]	[^①]CAD [OP]* / [^②]MNEDP [COMP]**		[^①]EDP[COMP] / [^②]MNEDP[COMP]	EDOSD [COMP]	Opt+Control [OP]
12 - 13	MNP [Comp]	[^①]CAD [OP]* / [^②]MNEDP [COMP]**		C-P [OP]*	EDOSD [COMP]	MNGSE [OP]
13 - 14	MNP [Comp]	[^①]CAD [OP]* / [^②]MNEDP [COMP]**		C-P [OP]* (Fin:13.30)	MNP [COMP]	MNGSE [OP] (Fin:13.30)
14 - 15						
15 - 16		[^①]CAD[OP]* / [^②]EDP [COMP]** [^③]MNEDP [COMP]	TPI (2 ^a)	ACSO [OP](Inc:15.30)		
16 - 17	MNEstocast [OP]	[^①]CAD[OP]* / [^②]EDP [COMP]** [^③]MNEDP [COMP]	TPI (2 ^a)	ACSO [OP]		TPI (2 ^a)
17 - 18	MNEstocast [OP]	[^①]CAD [OP] / [^②]EDP [COMP]** [^③]MNEDP [COMP]	TPI (2 ^a)	MNEstocast [OP]	IS (2 ^a)	TPI (2 ^a)
18 - 19			IS (2 ^a)	MP (2 ^a)	IS (2 ^a)	TPI (2 ^a)
19 - 20			MP (2 ^a)	MP (2 ^a)		

UPM

	MONDAY	TUESDAY		WEDNESDAY	THURSDAY	FRIDAY
16:30-18:00	CCAM			CCAM		
18:00-19:30	ESF			ESF		

Santiago: Faculty of Mathematics (USC)

Vigo: School of Telecommunications Engineering (UVigo)

A Coruña & Santiago

Coruña: Faculty of Computer Science (UDC)

Madrid: School of Aeronautics & Space Engineering (UPM)

Vigo & Santiago

UDC, USC, UVigo: 2nd year



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

FROM **TUESDAY 27th January TO FRIDAY 13th March 2015** [1 ECTS=7 hours]

UDC, USC & UVigo

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9 - 10	M2Ac [OP]	MS6l [OP]	EO [OP]	EO [OP]	Amp-VF [OP]
10 - 11	M2Ac [OP]	MS6l [OP]	EO [OP]	EO [OP]	Amp-VF [OP]
11 - 12	MEC [OP]	M2Ac [OP]	M2Ac [OP]	MS6l [OP]	EO [OP]
12 - 13	MS6l [OP]	M2Ac [OP]	M2Ac [OP]	MS6l [OP]	EO [OP]
13 - 14	MS6l [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
15:00 -16:30		PINV [OP]		PINV [OP]	
16:30-18:00	COMB [OP]	MEMS [OP]	MP [Comp-Sp-MS]	MEMS [OP]	
18:00 -19:30	COMB [OP]	TURB [OP]	TURB [OP]	MP [Comp-Sp-MS]	
19:30-21:00		EH [OP]		EH [OP]	

Santiago: Faculty of Mathematics (USC)

Vigo: School of Telecommunications Engineering(UVigo)

A Coruña: Faculty of Computer Science (UDC)

Madrid: School of Aeronautics & Space Engineering (UPM)

Madrid: EP Superior (UC3M)



2nd Term [March-May: UDC, USC & UVigo]

FROM MONDAY 23rd March TO 13th May 2015 (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
15:00 -16:30		PINV (OP)		PINV (OP)	
16:30-18:00	COMB (OP)	MEMS (OP)	MP (Comp-Sp-MS)	MEMS (OP)	
18:00 -19:30	COMB (OP)	TURB (OP)	TURB (OP)	MP (Comp-Sp-MS)	
19:30-21:00		EH (OP)		EH (OP)	

Santiago: Faculty of Mathematics (USC)

Vigo: School of Telecommunications Engineering (UVigo)

A Coruña: Faculty of Computer Science (UDC)

Madrid: School of Aeronautics & Space Engineering (UPM)

Madrid: School of Engineering (UC3M)



ACRONYMS AND NOTATIONS USED

FIRST TERM: 8th September-19th December 2014

USC, UDC & UVigo

M2C [Comp-Sp, 6]: Continuum mechanics

MNP [Comp, 6]: Numerical methods and programming

EDP [Comp, 6]: Partial differential equations

EDOSOD [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 arquitectures 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

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CCAM [OP, 6]: Advanced scientific calculus with MATLAB

ESF [OP, 6]: Stability of physical systems



SECOND TERM 1: 27th January-13th March 2015

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

M2-MA [OP, 6]: Mathematical modelling in the environment

Amp-VF [OP, 3]: Advanced finite volumes

MEC [OP, 3]: Boundary element methods

Prog-C++ [OP, 3]: Programming in C++

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COMB [OP, 6]: Combustion

PINV [OP, 6]: Inverse problems and image reconstruction

MEMS [OP, 6]: Fluidthermal MEMS and power MEMS

MP [OB, 6]: Perturbation methods

EH [OP, 6]: Hydrodynamical stability

TURB [OP, 6]: Turbulence



SECOND TERM 2: 23rd March-13th May 2015

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

COMB [OP, 6]: Combustion

PINV [OP, 6]: Inverse problems and image reconstruction

MEMS [OP, 6]: Fluidthermal MEMS and power MEMS

MP [OB, 6]: Perturbation methods

EH [OP, 6]: Hydrodynamical stability

TURB [OP, 6]: Turbulence

^[1] From 8th September to 25th October.

^[2] From 27th October to 19th December.

^[3] The two weeks with compulsory practical exercises will be carried out as follows: the 3hours of Wednesday and Thursday will be swapped with the 3 hours of EDP on Tuesdays



MÁSTER EN
MATEMÁTICA
INDUSTRIAL



UNIVERSIDADE DA CORUÑA

Universidade de Vigo



Universidad
Carlos III de Madrid



POLITÉCNICA

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

* Always / most days

** some days