



TIMETABLE FOR THE MASTER'S DEGREE: **Advanced Physics and Applied Mathematics**

**2017-2018**

**1st Semester (first half)**

**From 9<sup>th</sup> Oct 2017 to 24<sup>th</sup> Nov 2017**

	Monday		Tuesday		Wednesday		Thursday		Friday	
<b>08:30-09:30</b>	11268 Relativity and Geometry <i>Jaume Carot/Sascha Husa</i>				11268 Relativity and Geometry <i>Jaume Carot/Sascha Husa</i>				11268 Relativity and Geometry <i>Jaume Carot/Sascha Husa</i>	
<b>09:30-11:00</b>	11272 Fundamentals of Meteorology and Physical Oceanography <i>Climent Ramis Noguera / Maria Marcos Moreno</i>	11281 Physical Property Characterization of Materials <i>Catalina Picornell Alou</i>	11265 Introduction to the Solar Physics <i>Ramón Oliver Herrero</i>	11280 Structural and Microstructural Characterization of Materials <i>Jaume Pons Morro /Ferran Hierro Riu/Joan Cifre Bauza</i>	11266 Fundamentals of Solar Magnetohydrodynamics <i>Jaume Terrades Calafell</i>	11281 Physical Property Characterization of Materials <i>Catalina Picornell Alou</i>	11304 Distributed Computing <i>Joan Massó Bennàsar</i>	11280 Structural and Microstructural Characterization of Materials <i>Jaume Pons Morro /Ferran Hierro Riu/Joan Cifre Bauza</i>	<b>10:10-11:30</b> 11007) Scientific Presentation and Visualitation <i>José Ramasco Sukia (shared with MSC)</i>	
<b>11:00-12:30</b>	11305 Finite Volume Methods for Hyperbolic Problems <i>Romualdo Romero March</i>	<b>10:10-13:00</b> 11292 Cooperative and Critical Phenomena <i>Maxi SanMiguel Ruibal / Tomás Sintés Olives (shared with MSC)</i>	11272 Fundamentals of Meteorology and Physical Oceanography <i>Climent Ramis Noguera / Marta Marcos Moreno</i>	11279 Materials Physics <i>Ruben Santamarta Martínez/ Joan Torrens Serra</i>	11276 Geophysical Fluid Dynamics <i>Romualdo Romero March</i>	11445 Simulation by Finite Elements <i>Victor Martínez Moll / Carlos Ribas González</i>	11276 Geophysical Fluid Dynamics <i>Romualdo Romero March</i>	11279 Materials Physics <i>Ruben Santamarta Martínez/ Joan Torrens Serra</i>	<b>11:40-12:30</b> 11306 Stochastic Simulation Methods <i>Raul Toral Garcés / Pere Colet Rafecas (shared with MSC)</i> <b>Starts on 25 Sept 2017</b>	
<b>12:30-14:00</b>				11271 Elements of Numerical Relativity <i>Carlos Palenzuela Luque (RyC)</i>	11298 Introduction to Dynamic Systems <i>Rafel Prohens Sastre /Bartomeu Coll Vicens</i>	11290 Lasers <i>Salvador Balle Monjo /Julien Javaloyes</i>	11297 Mass Data Processing Techniques <i>Alicia Sintés Olives/ Jose Luis Lisani Roca</i>	11287 Quantum Correlations <i>Antonio Puente Ferrá</i>	11299 Techniques for Studying Periodic Solutions to Differential Equations <i>M<sup>a</sup> Jesús Álvarez /Rafel Prohens</i>	11293 Instrumentation and Data Acquisition <i>Miquel Roca Adrover /Eugeni Isern Riutort</i>
<b>15:30-17:00</b>	<b>15:30-17:20h</b> 11306 Stochastic Simulation Methods <i>Raul Toral Garcés /Pere Colet Rafecas (shared with MSC)</i> <b>Starts on 25 Sept 2017</b>		11286 Quantum Field Theory <i>Oreste Piro Perusin</i>		11303 Introduction to Sub-pixel Images <i>Antoni Buades Capó/Joan Duran Grimalt</i>				11301 Introduction to Mathematical Models in Image Restoration <i>Joan Duran Grimalt/Antoni Buades Capó</i>	



TIMETABLE FOR THE MASTER'S DEGREE: **Advanced Physics and Applied Mathematics**

**2017-2018**

**1st Semester (second half)**

**From 27<sup>th</sup> Nov 2017 to 2<sup>nd</sup> Feb 2018**

	Monday		Tuesday		Wednesday		Thursday		Friday	
<b>08:30-09:30</b>	11269 Gravitational Waves <i>Alicia Sintes Olives</i>				11269 Gravitational Waves <i>Alicia Sintes Olives</i>				11269 Gravitational Waves <i>Alicia Sintes Olives</i>	
<b>09:30-11:00</b>	11271 Elements of Numerical Relativity <i>Carlos Palenzuela Luque (RyC)</i>	11296 Transmission Electron Microscopy <i>Rubén Santamarta Martínez/ Jaume Pons Morro</i>	11265 Introduction to the Solar Physics <i>Ramón Oliver Herrero</i>	11296 Transmission Electron Microscopy <i>Rubén Santamarta Martínez/ Jaume Pons Morro</i>	11266 Fundamentals of Solar Magnetohydrodynamics <i>Jaume Terrades Calafell (RyC)</i>	11282 Solid State Phase Transformations <i>Concepció Seguí Palmer/ Eduard Cesari Aliberch</i>	11304 Distributed Computing <i>Joan Massó Bennàsar</i>	11282 Solid State Phase Transformations <i>Concepció Seguí Palmer/ Eduard Cesari Aliberch</i>	<b>10:10-11:30</b> 11007) Scientific Presentation and Visualisation <i>José Ramasco Sukia (shared with MSC)</i>	
<b>11:00-12:30</b>	11275 Predictability <i>Victor Homar Santaner</i>	<b>10:10-13:00</b> 11292 Cooperative and Critical Phenomena <i>Maxi SanMiguel Ruibal / Tomás Sintes Olives (shared with MSC)</i>	11277 Waves and Instability in Geophysical Fluids <i>Victor Homar Santaner/ Sebastià Monserrat Tomás</i>	11283 Functional Materials <i>Ruben Santamarta Martínez/ Joan Torrens Serra</i>		11445 Simulation by Finite Elements <i>Victor Martinez Moll / Carlos Ribas González</i>	11277 Waves and Instability in Geophysical Fluids <i>Victor Homar Santaner/ Sebastià Monserrat Tomás</i>	11283 Functional Materials <i>Ruben Santamarta Martínez/Joan Torrens Serra</i>	<b>11:40-12:30</b> 11306 Stochastic Simulation Methods <i>Raul Toral Garcés / Pere Colet Rafecas (shared with MSC)</i>	
<b>12:30-14:00</b>					11298 Introduction to Dynamic Systems <i>Rafel Prohens Sastre / Bartomeu Coll Vicens</i>	11290 Lasers <i>Salvador Balle Monjo/ Julien Javaloyes</i>	11297 Mass Data Processing Techniques <i>Alicia Sintes Olives/ Jose Luis Lisani Roca</i>	11287 Quantum Correlations <i>Antonio Puente Ferrá</i>	11299 Techniques for Studying Periodic Solutions to Differential Equations <i>M<sup>o</sup> Jesús Álvarez Torres/Rafel Prohens Sastre</i>	11293 Instrumentation and Data Acquisition <i>Miquel Roca Adrover/Eugeni Isern Riutort</i>
<b>15:30-17:00</b>	<b>15:30-17:20h</b> 11306 Stochastic Simulation Methods <i>Raul Toral Garcés /Pere Colet Rafecas (shared with MSC)</i>		11284 Magnetism and Magnetic Materials <i>Eduard Cesari Aliberch</i>	11286 Quantum Field Theory <i>Oreste Piro Perusin</i>	11303 Introduction to Sub-pixel Images <i>Antoni Buades Capó/Joan Duran Grimalt</i>		11284 Magnetism and Magnetic Materials <i>Eduard Cesari Aliberch</i>		11301 Introduction to Mathematical Models in Image Restoration <i>Joan Duran Grimalt/Antoni Buades Capó</i>	



TIMETABLE FOR THE MASTER'S DEGREE: **Advanced Physics and Applied Mathematics 2017-18**

**2nd Semester (first half)**

**From 12<sup>th</sup> Feb 2018 to 12<sup>th</sup> Apr 2018**

	Monday	Tuesday	Wednesday	Thursday	Friday
<b>09:30-11:00</b>	11278 Spatial Analysis and Data Assimilation <i>Gabriel Jordà Sánchez</i> (intensive)	11267 Applications of Solar Magnetohydrodynam. <i>Roberto Soler Juan</i>	11282 Solid State Phase Transformations <i>Concepció Seguí Palmer/ Eduard Cesari Aliberch</i>	11270 Black Holes <i>Sascha Husa</i>	11307 Numerical Simulations in Magnetohydrodyna mics <i>Jaume Terrades Calafell</i>
<b>11:00-12:30</b>		11274 Mesoscale Circulation <i>Climent Ramis Noguera</i>		11273 Turbulence and Atmospheric Boundary Layers <i>Joan Cuxart Rodamilans</i>	11278 Spatial Analysis and Data Assimilation <i>Gabriel Jordà Sánchez</i> (intensive)
<b>12:30-14:00</b>	11294 Signal Processing and Communications <i>Joan Font Rosselló</i>	<b>13:00-14:30</b> 11300 Mathematical Models in Neuroscience <i>Antonio Teruel / Catalina Vich</i>	11288 Entangled Quantum Systems <i>Antoni Borràs López</i>	11302 Image Processing and Applications <i>Ana Belen Petro / Bartomeu Coll</i>	11291 Spintronics <i>Llorenç Serra Crespi/ David Sánchez Martín/ Rosa López García</i>
					11282 Solid State Phase Transformations <i>Concepció Seguí Palmer/ Eduard Cesari Aliberch</i>
					11297 Mass Data Processing Techniques <i>Alicia Sintes Olives/ Jose Luis Lisani Roca</i>
					11289 Electronic Nanostructures <i>Rashid Nazmitdinov</i>
					11278 Spatial Analysis and Data Assimilation <i>Gabriel Jordà Sánchez</i> (intensive)

**From 16<sup>th</sup> Apr 2018 to 1<sup>st</sup> Jun 2018**

**2nd Semester (second half)**

	Monday	Tuesday	Wednesday	Thursday	Friday
<b>09:30-11:00</b>	11308 Numerical Simulations of Geophysical Fluids <i>Romualdo Romero March</i>	11267 Applications of Solar Magnetohydrodynam. <i>Roberto Soler Juan</i>	11270 Black Holes <i>Sascha Husa</i>	11285 Biomaterials <i>Sergey Kustov</i> (intensive)	11307 Numerical Simulations in Magnetohydrodyn amics <i>Jaume Terrades Calafell (RyC)</i>
<b>11:00-12:30</b>		11274 Mesoscale Circulation <i>Climent Ramis Noguera</i>	11285 Biomaterials <i>Sergey Kustov</i> (intensive)	11273 Turbulence and Atmospheric Boundary Layers <i>Joan Cuxart Rodamilans</i>	11285 Biomaterials <i>Sergey Kustov</i> (intensive)
<b>12:30-14:00</b>	11294 Signal Processing and Communications <i>Joan Font Rosselló</i>	<b>13:00-14:30h</b> 11300 Mathematical Models in Neuroscience <i>A. Teruel / C. Vich</i>	11288 Entangled Quantum Systems <i>Antoni Borràs</i>	11302 Image Processing and Applications <i>Ana Belen Petro / Bartomeu Coll</i>	11291 Spintronics <i>Llorenç Serra Crespi/ David Sánchez Martín/ Rosa López García</i>
					11285 Biomaterials <i>Sergey Kustov</i> (intensive)
					11297 Mass Data Processing Techniques <i>Alicia Sintes Olives/ Jose Luis Lisani Roca</i>
					11289 Electronic Nanostructures <i>Rashid Nazmitdinov</i>