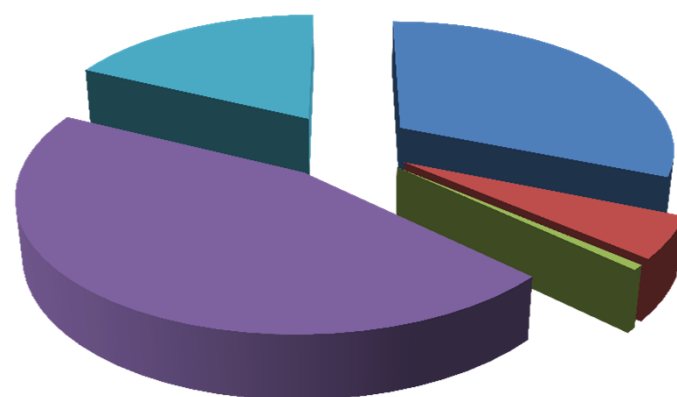


<b>JOINT Ph.D. ERASMUS MUNDUS IN MARINE AND COASTAL MANAGEMENT</b>			<b>Créditos ECTS</b>	<b>Departamento</b>
<b>Basic Research Skills</b>				
1	Science communication in Scientific research (web designs). Communication including scientific writing and presentations	Angel del Valls	2	UCA (química-física)
2	Formulation of a research question, Basis and Application of scientific methods (testing hypothesis)	Laura Martín	1,5	UCA (química-física)
		Angel del Valls	0,5	UCA (química-física)
3	Literature review in Scientific research. Drafting scientific dissemination instruments (research papers, patents, conference, books etc.)	Angel del Valls	1	UCA (química-física)
		Inma Riba	1	
4	Sampling design laboratory, field and global surveys in scientific research	Angel del Valls	2	UCA (química-física)
5	Groups working	Angel del Valls	2	UCA (química-física)
6	Language module English writing for academic and research staff (Italian, Portuguese, Russian, Spanish)	Laura Martín	2	UCA (química-física)
		Alfredo Izquierdo	1	UCA
		Angel del Valls	2	UCA (química-física)
		<b>TOTAL</b>	<b>15</b>	
<b>Advanced Research skills and methods</b>				
7	Seminar series for marine researchers – practitioners	Alfredo Izquierdo	1	UCA
		Angel del Valls	1	UCA (química-física)
8	Design and writing research projects (National and international, private and public funded)	Julián Blasco	2	CSIC
		Mirian Hampel		CSIC
		Olivia Campana		CSIC
		Ignacio Moreno		CSIC
9	Modelling in research. Statistical routines for analysis of marine ecosystems. Data Analysis, statistical methods in marine and coastal management and research	Alfredo Izquierdo	3	UCA
10	Practical field study on marine and coastal management – especially visit to integrate the partners and students and disciplines	Jose Miguel Nieto	2	Externo
11	Field skills for natural sciences including research vessel work	Alfredo Izquierdo	1	UCA
		Jesus Forja	1	UCA (química-física)
12	Management of funded research projects	Angel del Valls	1,5	UCA (química-física)
		Andrea Pielh Harms	1	Externo
		Inma Riba	1,5	UCA (química-física)
		<b>TOTAL</b>	<b>15</b>	
<b>Optional modules</b>				
13	Scientific and Technical strategies for CO2 mitigation in littoral ecosystems: for a better climate	Inma Riba	1,5	UCA (química-física)

		Angel del Valls	0,5	UCA (quimica-fisica)
14	Scientific diving in marine and coastal research and management	Angel Luque	1	Externo
		Inma Riba	2	UCA (quimica-fisica)
		Angel del Valls	1	UCA (quimica-fisica)
15	Weight of Evidence Assessment of Chemical Contamination in Aquatic Environments	Inmaculada Riba	1,5	UCA (quimica-fisica)
		Angel del Valls	0,5	UCA (quimica-fisica)
16	Tools for general environmental quality assessment	Laura Martín	2,5	UCA (quimica-fisica)
		Natalia Jimenez	0,5	UCA
		Julian Blasco	1	CSIC
		Inma Riba	2	UCA (quimica-fisica)
17	Waste Water treatments and re-ciclyng industrial residues	J. Viguri	2	Externo
18	Organic Compounds in Marine Ecosystems: Description, tools, project design and project manag	Pablo Lara	2	UCA (quimica-fisica)
19	Coastal stability and sedimentary budgets in the ever evolving land-ocean interface	Juan Jose Muñoz	0,67	UCA(Física aplicada)
		Gregorio Gomez Pina	0,67	UCA
		Marina Navarro	0,66	UCA(Física aplicada)
		Laura del Rio	2	UCA (Ciencias de la Tierra)
20	From descriptors to models of coastal water quality, eutrophication and microbial activity	Tomasz Boski	4	Externo
21	Records and models of sea level and climatic change	Tomasz Boski	4	Externo
22	Integration of social and natural science for coastal marine policy formulation	Tomasz Boski	4	Externo
23	Integrated Marine and Coastal Management and Planning	Filomena Cardoso	3	Externo
24	Coastal Hazard and Risk Management Tools (GIS, Digital Shoreline analysis system DSAS, Coastal Vulnerability index CVI, Marine floodings)	Laura del Rio	2	UCA (Ciencias de la Tierra)
25	Use of radioactive tracers for coastal and marine studies (sampling and processing, analytical techniques)	Dott. Roberta Guerra	2	Externo
26	Trace metals in marine ecosystems (sampling and processing, extraction and analytical techniques for total, psuedo-otal and bioavailable fractions, laboratory quality control).	Dott. Roberta Guerra	2	Externo
27	Conservation, planning and management in marine urban areas	Rafael Montejo	1	Externo
		Angel del Valls	1	UCA (quimica-fisica)
28	Nanotechnology and Restoration in Marine and Coastal management	Maria Jesus Mosquera	2	UCA (quimica-fisica)
29	Understanding our eroding coastlines	Juan Jose Muñoz	2	UCA(Física aplicada)
		Gregorio Gómez-Pina	1	UCA
		Marina Navarro	1	UCA(Física aplicada)
30	Coastal meteorology	Alfredo Izquierdo	2	UCA(Física aplicada)
31	Remote Sensing: Application to the Coastal Management	Jesus Gomez Enri	2	UCA(Física aplicada)
32	Conflict resolution	Rupert Watson	2	Externo



- Externo
- UCA (Ciencias de la Tierra)
- UCA (Dpt Didáctica)
- UCA (química-física)
- UCA(Física aplicada)