

Vue bloc du programme des cours

Or Th Pr Au Cr

Bloc 1
Compulsory course within the focus

OCEA0057-7	<i>Marine Ecology</i> (anglais) - <i>Marine ecology</i> - [5h TD] - <i>Introduction to marine ecosystems modelling</i> - Marilaure GRÉGOIRE - <i>Marine ecology fieldtrip</i> - [6j T. t.]	TA				6
			10	-	[+]	
			15	15	-	
			-	-	[+]	

Optional courses within the focus

Courses totaling 24 credits have to be chosen among :

Framework : global ocean environment

OCEA0055-5	<i>Biogeochemical Cycles in the Ocean</i> (anglais) - <i>Biogeochemistry 1</i> - <i>Biogeochemistry 2 (Advanced Marine Geochemistry)</i>	Q1				6
			20	-	-	
			20	-	-	

OCEA0056-1	<i>Marine Plant Biology and Ecology</i> (anglais) - <i>Marine phanerogames ecology</i> - <i>Techniques of sampling in marine ecology</i>	Q1				6
			15	10	-	
			15	10	-	

OCEA0082-1	<i>Carbon, nutrient, greenhouse gases dynamics in marine ecosystems and geological oceanography</i> (anglais) - <i>Carbon, nutrient, greenhouse gases dynamics in marine ecosystems</i> - Alberto BORGES - <i>Marine sediment geochemistry</i> - Nathalie FAGEL	Q1				6
			20	5	-	
			15	15	-	

OCEA0059-1	<i>Remote Sensing of the Oceans</i> (anglais) - <i>Introduction to satellite oceanography</i> - Aida ALVERA AZCARATE - <i>Advanced satellite oceanography</i> - Aida ALVERA AZCARATE	Q1				6
			15	15	-	
			15	15	-	

Scientific challenges & opportunities : marine environment protection & resources protection

OCEA0225-1	<i>Professional practice in marine / environmental sectors</i> (anglais)	Q2	-	-	-	6
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OCEA0080-1	<i>Biochemistry, Physiology and Aquariology</i> (anglais) - <i>Physiology and biochemistry of the marine animals</i> - Philippe COMPÈRE - <i>Aquariology</i> - Carole ROUGEOT	Q1				6
			15	15	-	
			15	-	-	

OCEA0062-6	<i>Ecotoxicology and Biodegradation of Marine Pollutants, Marine ecotoxicology</i> (anglais) - [15h TD]	Q1	15	-	[+]	6
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OCEA0063-1	<i>Biology of Marine Mammals</i> (anglais) - <i>Part I : Ecology and ecotoxicology</i> - <i>Part II : Pathology and necropsies</i>	Q1				6
			15	-	-	
			15	10	-	

OCEA0064-1	<i>Functional and Molecular Marine Microbiology, Molecular approaches to the diversity of marine microorganisms</i> (anglais) - Annick WILMOTTE	Q1	25	25	-	6
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Data analysis : interpretation of environmental data

OCEA0081-1	<i>Numerical methods in geophysics - Part 2</i> (anglais) - JeanMarie BECKERS	Q1	15	30	-	6
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Compulsory courses

STFE9002-1	<i>Master thesis</i> - COLLÉGIALITÉ	TA	-	-	-	30
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