

Vue cycle du programme des cours

		B1	Or	Th	Pr	Au	Cr
Compulsory course (B1 : 6Cr)							
OCEA0057-7	<i>Marine Ecology</i> (anglais) - <i>Marine ecology</i> - Sylvie GOBERT, Mathieu POULICEK - [6j T. t.] - <i>Introduction to marine ecosystems modelling</i> - Marilaure GRÉGOIRE	B1	Q1				6
			15	-	[+]		
			15	15	-		
Optional courses (B2 : 24Cr)							
Courses totaling 24 credits have to be chosen among : (B1 : 24Cr)							
Framework : global environment							
OCEA0055-5	<i>Biogeochemical Cycles in the Ocean</i> (anglais) - <i>Biogeochemistry 1</i> - Bruno DELILLE, Anne MOUCHET - <i>Biogeochemistry 2</i>	B1	Q1				6
			20	-	-		
			20	-	-		
OCEA0056-1	<i>Marine Plant Biology and Ecology</i> (anglais) - <i>Marine phanerogames ecology</i> - Sylvie GOBERT - <i>Techniques of sampling in marine ecology</i> - Sylvie GOBERT	B1	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>Geological oceanography</i> - Nathalie FAGEL - [1j T. t.]	B1	Q1				6
			20	5	-		
			20	20	[+]		
OCEA0056-1	<i>Marine Plant Biology and Ecology</i> (anglais) - <i>Marine phanerogames ecology</i> - Sylvie GOBERT - <i>Techniques of sampling in marine ecology</i> - Sylvie GOBERT	B1	Q1				6
			15	10	-		
			15	10	-		
Scientific challenges & opportunities : marine environment protection & resources protection							
OCEA0060-1	<i>Advanced Marine Zoology</i> (anglais) - <i>Biology of benthos and necton animals : invertebrates</i> - Patrick DAUBY, Mathieu POULICEK - <i>Ecoethology of the marine animals</i> - Christian MICHEL - <i>Ecology of the coral reefs</i> - Mathieu POULICEK	B1	Q1				6
			15	15	-		
			30	-	-		
			30	-	-		
OCEA0080-1	<i>Biochemistry, Physiology and Aquariology</i> (anglais) - <i>Physiology and biochemistry of the marine animals</i> - Philippe COMPÈRE - <i>Aquariology</i> - Christian MICHEL	B1	Q1				6
			15	15	-		
			15	-	-		
OCEA0062-1	<i>Ecotoxicology and Biodegradation of Marine Pollutants</i> (anglais) - <i>Biodegradation of organic molecules in a sea environment</i> - Mathieu POULICEK - <i>Marine ecotoxicology</i> - Krishna DAS	B1	Q1				6
			20	-	-		
			15	15	-		
OCEA0063-1	<i>Biology of Marine Mammals</i> (anglais) - <i>Part I : Ecology and ecotoxicology</i> - Krishna DAS - <i>Part II : Pathology and necropsies</i> - Thierry JAUNIAUX	B1	Q1				6
			15	-	-		
			15	10	-		
OCEA0064-1	<i>Functional and Molecular Marine Microbiology</i> (anglais) - <i>Marine bacteriology</i> - Mathieu POULICEK - <i>Molecular approaches to the diversity of marine microorganisms</i> - Annick WILMOTTE	B1	Q1				6
			15	30	-		
			15	15	-		
Data analysis : interpretation of environmental data							
OCEA0081-1	<i>Numerical methods in geophysics - Part 2</i> - JeanMarie BECKERS	B1	Q1	15	30	-	6