

**Vue bloc du programme des cours**

Or Th Pr Au Cr

**Bloc 1**
**Compulsory courses within the focus**

OCEA0057-9	<i>Marine Ecology</i> (anglais) - <i>Marine ecology</i> - Krishna DAS, Sylvie GOBERT - [5h TD] - <i>Marine ecology fieldtrip</i> - Krishna DAS, Sylvie GOBERT - [6j T. t.]	TA	10	-	[+]	6
OCEA0062-6	<i>Ecotoxicology and Biodegradation of Marine Pollutants, Marine ecotoxicology</i> (anglais) - Krishna DAS - [15h TD]	Q1	15	-	[+]	6
OCEA0228-1	<i>Ecotoxicology and risk quantification</i> - <i>Ecotoxicology</i> - Célia JOAQUIMJUSTO - <i>Quantification of the environmental risk associated with pollutants and decision-making</i> - Célia JOAQUIMJUSTO	Q1	20	18	-	6
			16	8	-	

**Optional courses withing the focus**

Courses totalling 12 credits have to be chosen among:

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	Q1	15	-	-	6
OCEA0055-5	<i>Biogeochemical Cycles in the Ocean</i> (anglais) - <i>Biogeochemistry 1</i> - Odile CRABECK, Bruno DELILLE, Peter LANDSCHÜTZER - <i>Biogeochemistry 2 (Advanced Marine Geochemistry)</i> - Odile CRABECK, Bruno DELILLE	Q1	20	-	-	6
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	20	5	-	6
OCEA0229-1	<i>Mathematical analysis and modelling methods applied to the environment / Introduction to marine ecosystems modelling</i> (anglais) - <i>Introduction to marine ecosystems modelling</i> - Marilaure GRÉGOIRE - <i>Mathematical analysis and modelling methods applied to the environment</i> - Marilaure GRÉGOIRE	Q1	15	15	-	6
			20	20	-	

**Bloc 2**
**Compulsory course**

STFE0033-1	<i>Master thesis</i> (anglais)	TA	-	-	-	30
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