Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr
Compulsory Courses (B1 : 30Cr)							
STFE9002-1	*Master thesis* - COLLÉGIALITÉ	B1	TA	-	-	-	**30**
Focus courses (B1 : 30Cr)							
Single Focus (B1 : 30Cr)							
Research Focus (B1 : 30Cr)							
OCEA0057-7	*Marine Ecology* (english language)	B1	TA				**6**
	- *Marine ecology* - Sylvie GOBERT, Mathieu POULICEK		15	-	-		
	- *Introduction to marine ecosystems modelling* - Marilaure GRÉGOIRE		15	15	-		
	- *Introduction to marine ecosystems modelling* - Sylvie GOBERT, Mathieu POULICEK - [6d FW]		-	-	[+]		
Courses totaling 24 credits have to be chosen among : (B1 : 24Cr)							
Framework : global ocean environment							
OCEA0055-5	*Biogeochemical Cycles in the Ocean* (english language)	B1	Q1				**6**
	- *Biogeochemistry 1* - Bruno DELILLE, Anne MOUCHET		20	-	-		
	- *Biogeochemistry 2 (Advanced Marine Geochemistry)* - Bruno DELILLE, Anne MOUCHET		20	-	-		
OCEA0056-1	*Marine Plant Biology and Ecology* (english language)	B1	Q1				**6**
	- *Marine phanerogames ecology* - Sylvie GOBERT		15	10	-		
	- *Techniques of sampling in marine ecology* - Sylvie GOBERT		15	10	-		
OCEA0082-1	*Carbon, nutrient, greenhouse gases dynamics in marine ecosystems and geological oceanography* (english language)	B1	Q1				**6**
	- *Carbon, nutrient, greenhouse gases dynamics in marine ecosystems* - Alberto BORGES		20	5	-		
	- *Geological oceanography* - Nathalie FAGEL - [1d FW]		20	20	[+]		
OCEA0059-1	*Remote Sensing of the Oceans* (english language)	B1	Q1				**6**
	- *Introduction to satellite oceanography* - Aida ALVERA AZCARATE		15	15	-		
	- *Advanced satellite oceanography* - Aida ALVERA AZCARATE		15	15	-		
Scientific challenges & opportunities : marine environment protection & resources protection							
OCEA0225-1	*Professional practice in marine / environmental sectors* (english language) - Sylvie GOBERT, Mathieu POULICEK	B1	Q2	-	-	-	**6**
OCEA0060-1	*Advanced Marine Zoology* (english language)	B1	Q1				**6**
	- *Biology of benthos and necton animals : invertebrates* - Patrick DAUBY, Mathieu POULICEK		15	15	-		
	- *Ecoethology of the marine animals* - Christian MICHEL		30	-	-		
	- *Ecology of the coral reefs* - Mathieu POULICEK		30	-	-		
OCEA0080-1	*Biochemistry, Physiology and Aquariology* (english language)	B1	Q1				**6**
	- *Physiology and biochemistry of the marine animals* - Philippe COMPÈRE		15	15	-		
	- *Aquariology* - Christian MICHEL		15	-	-		
OCEA0062-1	*Ecotoxicology and Biodegradation of Marine Pollutants* (english language)	B1	Q1				**6**
	- *Biodegradation of organic molecules in a sea environment* - Mathieu POULICEK		20	-	-		
	- *Marine ecotoxicology* - Krishna DAS		15	15	-		
OCEA0063-1	*Biology of Marine Mammals* (english language)	B1	Q1				**6**
	- *Part I : Ecology and Ecotoxicology* - Krishna DAS		15	-	-		
	- *Part II : pathology and necropsies* - Thierry JAUNIAUX		15	10	-		

OCEA0064-1	*Functional and Molecular Marine Microbiology* (english language) - *Marine bacteriology* - Mathieu POULICEK - *Molecular approaches to the diversity of marine microorganisms* - Annick WILMOTTE	B1	Q1	 15 15	 30 15	 - -	**6**

Data analysis : interpretation of environmental data

OCEA0081-1	*Numerical Methods in Geophysics - Part 2* (english language) - JeanMarie BECKERS	B1	Q1	15	30	-	**6**