

First Year

Compulsory courses

OCEA0049-1	<i>Océanographie pélagique</i> - Jean-Henri HECQ - [2d FW]	15	15	[+]	3
OCEA0011-2	<i>Coastal oceanography</i> - Salim DJENIDI - [3d FW]	20	10	[+]	5
OCEA0012-1	<i>marine meteorology</i> - Jean-Marie BECKERS	15	5	-	2
OCEA0010-1	<i>Océanographie physique</i> - Jean-Marie BECKERS - [3d FW]	20	10	[+]	5
OCEA0013-1	<i>Chemical oceanography</i> - Alberto BORGES - [2d FW]	20	5	[+]	4
OCEA0014-1	<i>Mathematical methods in analysis and modelling applied to environment</i> - Eric DELHEZ	20	20	-	4
OCEA0015-1	<i>Principles of interdisciplinary study of sea systems</i> - Marilaure GRÉGOIRE	20	20	-	3
OCEA0016-1	<i>Applied oceanography</i> - André LEJEUNE	15	15	-	3
DROI0725-1	<i>law of the sea and of sea environment</i> - Philippe VINCENT	20	-	-	2
GEOL0255-1	<i>Geological oceanography</i> - Nathalie FAGEL	20	20	-	4
OCEA0018-1	<i>Introduction to modelling ecosystems</i> - Marilaure GRÉGOIRE	15	15	-	3
ENVT0726-1	<i>Marine Ecology</i> - Sylvie GOBERT, Mathieu POULICEK - [4d FW]	15	-	[+]	4
OCEA0019-1	<i>Biological and biochemical oceanology</i> - Jean-Marie BOUQUEGNEAU - [8d FW]	30	-	[+]	8
SSTA0001-1	<i>Report on internship</i> - Sylvie GOBERT - [30h Mon. WS]	-	-	[+]	2
OCEA0017-1	<i>Satellite oceanography</i> - Yves CORNET	15	15	-	3
GEOG0619-1	<i>Coastal geomorphology</i> - André OZER - [2d FW]	15	-	[+]	3
GEOG0620-1	<i>Economic geography of the sea</i> - Bernadette MERENNE#SCHOUMAKER	20	-	-	2

Second Year

Compulsory courses

OCEA0020-1	<i>Current issues in oceanography</i> - Salim DJENIDI	15	15	-	2
SMEM0003-1	<i>Mémoire</i> - COLLÉGIALITÉ	-	-	-	28

Advanced Study Path

Optional courses

Choose one option from the following :

Option Oceanography

Choose courses totalling 30 ECTS out of the following :

BOTA0401-1	<i>Molecular approaches to the diversity of marine microorganisms</i> - Annick WILMOTTE	15	15	-	2
ZOOL0218-1	<i>Aquariology</i> - Christian MICHEL	15	15	-	3
BACT0001-1	<i>Marine bacteriology</i> - Mathieu POULICEK (Even years)	15	30	-	3
OCEA0021-1	<i>Bacteria growth quantification in sea systems: theory and methods</i> - Branko VELIMIROV (Odd years)	20	-	-	2
OCEA0022-1	<i>Biodegradation of organic molecules in a sea environment</i> - Mathieu POULICEK	20	-	-	2
ZOOL0219-1	<i>Biology of benthos and necton animals, partim I: vertebrates</i> - Pierre VANDEWALLE - [2d FW]	15	15	[+]	3
ZOOL0219-2	<i>Biology of benthos and necton animals, partim II : invertebrates</i> - Patrick DAUBY, Mathieu POULICEK - [2d FW]	15	15	[+]	3
BOTA0402-1	<i>Marine plant biology</i> - Vincent DEMOULIN - [3d FW]	15	15	[+]	4
OCEA0023-1	<i>Ecological modelling</i> - Marilaure GRÉGOIRE, Jean-Henri HECQ	15	30	-	3
ZOOL0220-1	<i>Planctonology</i> - Jean-Henri HECQ	15	30	-	3
OCEA0025-1	<i>Dynamics of nutrients in a sea environment, partim I : chemical and biochem</i> - Marc ELSKENS - [10h FW]	7,5	7,5	[+]	2
OCEA0025-2	<i>Dynamics of nutrients in a sea environment, partim II : ecological processe</i> - Anne GOFFART - [10h FW]	7,5	7,5	[+]	2

BIOC0701-2	<i>Biogeochemistry</i> - Patrick DAUBY	30	-	-	3
OCEA0043-1	<i>Ecoethology of the marine animals</i> - Christian MICHEL - [3d FW]	15	-	[+]	3
OCEA0026-1	<i>Marine ecotoxicology</i> - Krishna DAS	15	15	-	3
OCEA0027-1	<i>Applications of stable isotopes in marine sciences</i> - Gilles LEPOINT	15	5	-	2
OCEA0028-1	<i>Impact study in a sea environment: theory and practice</i> - Pierre LEJEUNE	10	20	-	3
ZOOL0222-1	<i>Physiology and biochemistry of the marine animals</i> - Philippe COMPÈRE	15	15	-	3
OCEA0029-1	<i>Production techniques of marine fishes, molluscs and crustaceans</i> - Gilles LEPOINT	10	10	-	2
OCEA0030-1	<i>Sea Climatology and meteorology</i> - Michel ERPICUM	30	-	-	3
ESHY0070-1	<i>Dynamics of lower atmospherical layers and air-sea interactions</i> - Louis FRANÇOIS	30	15	-	4
MECA0053-3	<i>Geophysical fluid dynamics</i> - Jean-Marie BECKERS	30	30	-	6
MECA0055-1	<i>Numerical methods applied to the environment</i> - Jean-Marie BECKERS	30	30	-	6
GEOLO256-1	<i>Geochemistry of sediments and interstitial waters.</i> - Nathalie FAGEL	15	15	-	3
GEOLO225-3	<i>Analytical Geochemistry</i> - Nathalie FAGEL, Jacqueline VANDER AUWERA	10	10	-	2
OCEA0042-1	<i>Introduction to marine Micropaleontology and palynology</i> Holder - Emmanuelle JAVAUX	20	-	-	2
GEOLO257-1	<i>Marine sedimentology</i> - Frédéric BOULVAIN - [3d FW]	20	-	[+]	2
GCIV0612-1	<i>Behavior of Marine Structures</i> - Jean MARCHAL	30	30	-	6
GCIV0613-1	<i>Marine Structure Loads</i> - André LEJEUNE	20	20	-	4
GEOG0621-1	<i>Supplements to Marine Geomorphology</i> - André OZER	15	15	-	3
OCEA0041-1	<i>Biologie des mammifères marins</i>				4
	- <i>Partim I : écotoxicologie</i> - Krishna DAS	15	-	-	
	- <i>Partim II : pathologie et autopsies</i> - Freddy COIGNOUL, Thierry JAUNIAUX	15	10	-	
OCEA0032-1	<i>Symbioses in a sea environment</i> - Eric PARMENTIER	15	15	-	2
OCEA0033-1	<i>Global changes and sea environment</i> - Anne MOUCHET	15	15	-	2
OCEA0034-1	<i>Study of the sea environment in a global perspective of sustainable development</i> - Jacques NIHOUL	10	20	-	2
ENVTO727-1	<i>Hygiene, health and safety on the work place</i> - Sylvie GOBERT	15	10	-	2
ENVTO728-1	<i>Techniques of sampling in marine ecology</i> - Sylvie GOBERT	15	10	-	2
OCEA0035-1	<i>Data acquisition and analysis, complements</i> - Jean-Marie BECKERS, Michel RIXEN	15	10	-	2
ZOOL0223-1	<i>Adaptations morpho-functional of the organisms to the marine life</i> - Eric PARMENTIER	15	10	-	2
OCEA0044-2	<i>Ecology of the coral reefs</i> - Mathieu POULICEK	20	20	-	4
[...]	Exceptionnellement, et avec l'accord du Jury d'Océanologie, un ou plusieurs cours peuvent être choisis dans un autre programme (par exemple, en rapport avec le mémoire de fin d'études,...)				

Option Modelling Marine Environments

OCEA0023-1	<i>Ecological modelling</i> - Marilaure GRÉGOIRE, Jean-Henri HECQ	15	30	-	3
OCEA0036-1	<i>Structures and applications of marine hydrodynamic models</i> - N...	15	15	-	3
BIOC0701-1	<i>Biogeochemistry</i> - Patrick DAUBY	20	-	-	2
MECA0055-4	<i>Numerical methods applied to the environment (Partim I)</i> - Jean-Marie BECKERS	15	15	-	3

Choisir des cours pour un total de 19 crédits parmi :

MECA0053-3	<i>Geophysical fluid dynamics</i> - Jean-Marie BECKERS	30	30	-	6
OCEA0037-1	<i>Oceanic and atmospheric waves</i> - Jean-Marie BECKERS	30	-	-	3
ESHY0070-1	<i>Dynamics of lower atmospherical layers and air-sea interactions</i> - Louis FRANÇOIS	30	15	-	4
OCEA0030-1	<i>Sea Climatology and meteorology</i> - Michel ERPICUM	30	-	-	3
BIOC0702-1	<i>Biogeochemistry (in-depth study)</i> - N...	20	-	-	2
ZOOL0220-1	<i>Planctonology</i> - Jean-Henri HECQ	15	30	-	3
OCEA0026-1	<i>Marine ecotoxicology</i> - Krishna DAS	15	15	-	3
OCEA0028-1	<i>Impact study in a sea environment: theory and practice</i> - Pierre LEJEUNE	10	20	-	3
OCEA0040-1	<i>Coastal engineering</i> - Jean MARCHAL	30	30	-	6
GCIV0613-1	<i>Marine Structure Loads</i> - André LEJEUNE	20	20	-	4
OCEA0034-1	<i>Study of the sea environment in a global perspective of sustainable development</i> - Jacques NIHOUL	10	20	-	2
OCEA0035-1	<i>Data acquisition and analysis, complements</i> - Jean-Marie BECKERS, Michel RIXEN	15	10	-	2

OCEA0033-1	<i>Global changes and sea environment</i> - Anne MOUCHET	15	15	-	2
MECA0055-5	<i>Numerical methods applied to the environment (Partim II)</i> - Jean-Marie BECKERS	15	15	-	3
[...]	Exceptionnellement, et avec l'accord du Jury d'Océanologie, un ou plusieurs cours peuvent être choisis dans un autre programme (par exemple, en rapport avec le mémoire de fin d'études,...)				