Block view of the study programme

		Or	Th	Pr	Au	Cr
Block 1						
Compulsory courses						
OCEA0075-1	*Physical oceanography and marine meteorology* - *Theory and practice* - JeanMarie BECKERS - *Field work trips* - JeanMarie BECKERS - [3d FW]	Q1	 30 -	 15 -	 - [+]	**6**
OCEA0086-1	*Chemical oceanography* (english language) - Alberto BORGES - [2d FW]	TA	20	5	[+]	**4**
OCEA0087-1	*Satellite oceanography* (english language) - Aida ALVERA AZCARATE	Q1	15	15	-	**3**
GEOL1039-1	*Geological oceanography* - *From theory to field work* - Nathalie FAGEL - [1d FW] - *Additional field work* - Nathalie FAGEL - [2d FW]	Q1	 20 -	 20 -	 [+] [+]	**5**
OCEA0088-1	*Marine ecology* (english language) - Sylvie GOBERT, Mathieu POULICEK - [4d FW]	TA	15	-	[+]	**4**
OCEA0089-1	*Introduction to marine ecosystems modelling* (english language) - Marilaure GRÉGOIRE	Q1	15	15	-	**3**
OCEA0014-1	*Mathematical analysis and modelling methods applied to the environment* (english language) - Marilaure GRÉGOIRE	Q1	20	20	-	**4**
OCEA0049-1	*Pelagic oceanography* - Sylvie GOBERT - [2d FW]	Q2	15	15	[+]	**4**
OCEA0011-2	*Coastal oceanography* - Aida ALVERA AZCARATE - [3d FW]	Q2	20	10	[+]	**5**
OCEA0019-1	*Biological oceanology* - Sylvie GOBERT - [8d FW]	Q2	30	-	[+]	**6**
OCEA0090-1	*Dynamics of marine ecosystems* - Marilaure GRÉGOIRE	Q2	20	20	-	**4**
DROI0725-1	*Law of the sea and of sea environment* - Philippe VINCENT	Q2	20	-	-	**2**
GEOG0043-1	*Developing marine resources* - Guénaël DEVILLET	Q2	20	-	-	**3**
GEOG2012-1	*Coastal geomorphology, changing sea levels and the vulnerability of coastal regions* - Aurelia HUBERT - [3d FW]	Q2	20	10	[+]	**3**
OCEA0091-1	*Methodological approach to oceanography practice* - Aida ALVERA AZCARATE, Sylvie GOBERT - [30h Mon. WS]	Q2	-	-	[+]	**4**

Notice : A practical, two-week work placement (sampling on a boat, diving, dosages, plankton, benthos, data bases, etc.) is carried out at STARESO, the University¿s Station de Recherches Sous-Marines et Océanographiques (Calvi, France) at the end of the first block of the Masters in Oceanography, to carry out practical work associated with subjects covered during the year (physical, biological, geological, chemical oceanography, etc.).

Block 2						
Compulsory courses						
DOCU0459-1	*Documentation training and preparation to the final thesis* - *Bibliographic research* - Ninfa GRECO - [20h Mon. WS] - *Application to oceanography* - Aida ALVERA AZCARATE, Serge SCORY - [15h Mon. WS]	Q1	 - -	 - -	 [+] [+]	**5**
SMEM0003-1	*Final thesis* - COLLÉGIALITÉ	TA	-	-	-	**25**
Focus courses						
Single focus						
Research Focus						
SSTG0032-1	*Internship* - Aida ALVERA AZCARATE, Gilles LEPOINT - [1mois Internship]	TA	-	-	[+]	**6**

OCEA0020-1	*Current issues in oceanography* - Aida ALVERA AZCARATE	Q1	15	15	-	**4**

In agreement with the Jury, choose courses for a total of 20 credits, in at least two different fields, from :

Biogeochemistry and climate change

OCEA0219-1	*Biogeochemical Cycles in the Ocean* (english language) - Bruno DELILLE, Anne MOUCHET - [2d FW]	Q1	20	-	[+]	**3**
OCEA0220-1	*Biogeochemical Cycles in the Polar Ocean and Sea Ice* (english language) - Bruno DELILLE, Anne MOUCHET	Q1	20	-	-	**3**
OCEA0025-1	*Dynamics of nutrients in marine environment : chemical and biochemical aspects* - [10h FW]	Q1	7,5	7,5	[+]	**3**
GEOL0256-1	*Marine sediment geochemistry* (english language) - Nathalie FAGEL	Q1	15	15	-	**4**
OCEA0033-1	*Global changes and sea environment* - Anne MOUCHET	Q2	15	15	-	**3**

Marine ecology and biodiversity

OCEA0092-1	*Biology of benthos and necton animals : invertebrates* (english language) - Patrick DAUBY, Mathieu POULICEK	Q1	15	15	-	**3**
BIOL0808-3	*Functional morphology, Marine vertebrates* - Eric PARMENTIER	Q1	15	10	-	**3**
OCEA0093-1	*Molecular approaches to the diversity of marine microorganisms* (english language) - Annick WILMOTTE	Q1	15	15	-	**3**
OCEA0094-1	*Marine phanerogames ecology* (english language) - Sylvie GOBERT	Q1	15	10	-	**3**
OCEA0043-2	*Ecoethology of the marine animals* - Christian MICHEL	Q1	30	-	-	**3**
OCEA0063-1	*Biology of Marine Mammals* (english language) - *Part I : Ecology and Ecotoxicology* - Krishna DAS - *Part II : pathology and necropsies* - Thierry JAUNIAUX	Q1	 15 15	 - 10	 - -	**4**
OCEA0083-1	*Physiology and biochemistry of the marine animals* (english language) - Philippe COMPÈRE	Q1	15	15	-	**3**
OCEA0095-1	*Marine bacteriology* (english language) - Mathieu POULICEK	Q1	15	30	-	**3**
OCEA0223-1	*Biodiversity of tropical coastal regions* - Bruno FREDERICH, Gilles LEPOINT, Richard RASOLOFONIRINA - [15d FW]	Q2	-	-	[+]	**4**

Modeling and operational oceanography

OCEA0096-1	*Ecological and biogeochemical cycles modeling* - Arthur CAPET, Marilaure GRÉGOIRE, Guy MUNHOVEN	Q1	15	30	-	**3**
OCEA0036-1	*Structures and applications of marine hydrodynamic models* (english language) - Alexander BARTH	Q1	15	15	-	**3**
OCEA0073-1	*Numerical methods in geophysics, Part 1* - JeanMarie BECKERS	Q2	15	30	-	**3**
OCEA0097-1	*Data assimilation and inverse methods* (english language) - Alexander BARTH	Q1	30	-	-	**3**
OCEA0071-1	*Geophysical fluid dynamics - part 1* (english language) - JeanMarie BECKERS	Q2	30	15	-	**5**
SPAT0024-2	*Meteorology* - *Part 1* - Louis FRANÇOIS - *Part 2* - Louis FRANÇOIS	Q1	 20 20	 10 10	 - -	**6**

Exploitation of marine resources, anthropic pressures

ZOOL0218-4	*Aquariology* - Christian MICHEL	Q1	20	-	-	**3**
OCEA2022-1	*Managing fishing resources in marine waters* - Sylvie GOBERT	Q2	15	6	-	**2**
OCEA0227-1	*Tools for analysis and assistance for integrated management* - JeanFrançois DELIÈGE, Sylvie GOBERT	Q1	30	-	-	**3**
GCIV2040-2	*Swell and actions on marine structures* - Sébastien ERPICUM	Q1	15	5	-	**2**

OCEA0028-1	*Impact study in a sea environment : theory and practice* - Pierre LEJEUNE	Q1	20	-	-	**3**
OCEA0226-1	*Introduction to aquaculture* - Carole ROUGEOT	Q1	30	-	-	**3**
OCEA0084-1	*Marine ecotoxicology* (english language) - Krishna DAS	Q1	15	15	-	**4**
OCEA0144-1	*Ecology of the coral reefs* (english language) - Mathieu POULICEK	Q1	30	-	-	**3**
OCEA0157-1	*Biodegradation of organic molecules in a sea environment* (english language) - Mathieu POULICEK	Q1	20	-	-	**3**
OCEA0158-1	*Phytoplankton, a tool for supporting the management of the marine environment* - Anne GOFFART - [10h Mon. WS]	Q1	10	8	[+]	**4**

Data acquisition and processing

OCEA0159-1	*Advanced satellite oceanography* (english language) - Aida ALVERA AZCARATE	Q1	15	15	-	**3**
OCEA0035-1	*Data acquisition and analysis, complements* - Aida ALVERA AZCARATE	Q1	15	10	-	**3**
OCEA0224-1	*Statistical analysis of oceanographic data* - Arthur CAPET, Marilaure GRÉGOIRE, Patrick MEYER	Q1	15	15	-	**3**
OCEA0027-1	*Applications of stable isotopes in marine sciences* - Gilles LEPOINT, Loïc MICHEL	Q1	15	15	-	**4**
OCEA0160-1	*Techniques of sampling in marine ecology* (english language) - Sylvie GOBERT	Q1	15	-	-	**3**
OCEA0085-1	*Methods of investigation, observation and analysis of marine plankton* - Anne GOFFART - [12h Mon. WS]	Q1	10	5	[+]	**4**
GEOL1021-1	*Introduction to geophysical exploration* - Lucien HALLEUX, Frédéric NGUYEN - [5d FW]	Q2	30	30	[+]	**6**
OCEA0161-1	*Scientific diving* - Sylvie GOBERT - [6d FW]	Q2	10	-	[+]	**5**

[...] Exceptionally, and with the agreement of the Jury, one or several courses can be chosen in another programme (for instance, in relation with the student's final dissertation,...)

Bloc d'aménagement du programme de l'année

Additional ECTS (max 15-60) Master in oceanography (120 ECTS)

Optional courses

The refresher programme, for a maximum of 60 credits, will be established by the jury of the Masters in Oceanography, depending on the student's prior training: this programme will enable the student to acquire the basic knowledge required in relevant fields (statistics, IT, biology, chemistry, physics, etc.).

[...] Between 15 and 60 ECTS of courses