Block view of the study programme

			Or	Th	Pr	Au	Cr

Block 1

Cours obligatoires du tronc commun

Code	Title	Or	Th	Pr	Au	Cr
OCEA0075-1	*Physical oceanography and marine meteorology* (english language)	Q1				**6**
	- Theory and practice - JeanMarie BECKERS		30	15	-	
	- Fieldwork trip - JeanMarie BECKERS - [3d FW]		-	-	[+]	
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*	Q1				**5**
	- From theory to field work - Nathalie FAGEL - [1d FW]		20	20	[+]	
	- Additional field work - Nathalie FAGEL - [2d FW]		-	-	[+]	
OCEA0088-1	*Marine ecology* (english language) - [5h Mon. WS, 4d FW]	TA	10	-	[+]	**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* - [20h Mon. WS, 2d FW]	Q2	10	-	[+]	**4**
OCEA0011-2	*Coastal oceanography* - Aida ALVERA AZCARATE, Alexander BARTH - [3d FW]	Q2	20	10	[+]	**5**
OCEA0019-1	*Biological oceanology* - [20h Mon. WS, 8d FW]	Q2	10	-	[+]	**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* - [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

Cours obligatoires de la finalité

Code	Title	Or	Th	Pr	Au	Cr
SSTG0032-1	*Internship* - [1mois Internship]	TA	-	-	[+]	**6**
OCEA0020-1	*Current issues in oceanography* - Aida ALVERA AZCARATE, COLLÉGIALITÉ, Sylvie GOBERT	Q1	15	15	-	**4**

Cours au choix de la finalité

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

Biogeochemistry and climate change

Code	Title	Or	Th	Pr	Au	Cr
OCEA0219-1	*Biogeochemical Cycles in the Ocean* (english language)	Q1	20	-	-	**3**
OCEA0220-1	*Biogeochemical Cycles in the Polar Ocean and Sea Ice* (english language)	Q1	20	-	-	**3**
GEOL0256-1	*Marine sediment geochemistry* (english language) - Nathalie FAGEL	Q1	15	15	-	**4**

Marine ecology and biodiversity

Code	Title	Or	Th	Pr	Au	Cr
BIOL0808-3	*Functional morphology, Marine vertebrates*	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)	Q1	15	10	-	**3**
OCEA0063-1	*Biology of Marine Mammals* (english language)	Q1				**4**
	- Part I : Ecology and Ecotoxicology		15	-	-	
	- Part II : pathology and necropsies		15	10	-	
OCEA0083-1	*Physiology and biochemistry of the marine animals* (english language)	Q1	15	15	-	**3**
OCEA0223-1	*Biodiversity of tropical coastal regions: study and intercultural context* - Bruno FREDERICH, Gilles LEPOINT - [12d FW]	Q2	10	-	[+]	**4**
OCEA0230-1	*Marine invertebrate zoology* (english language) - Loïc MICHEL	Q1	20	10	-	**3**

Modeling and operational oceanography

OCEA0096-1	*Ecological and biogeochemical cycles modeling* - 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* (english language)	Q1				**6**
	- Part 1 - Louis FRANÇOIS		20	10	-	
	- Part 2 - Louis FRANÇOIS		20	10	-	

Exploitation of marine resources, anthropic pressures

ZOOL0218-4	(pas organisé en 2024-2025) *Aquariology*	Q1	20	-	-	**3**
OCEA0227-1	*Tools for analysis and assistance for integrated management* - [5h Mon. WS]	Q1	15	15	[+]	**5**
OCEA0226-1	*Introduction to aquaculture*	Q1	30	-	-	**3**
OCEA0084-1	*Marine ecotoxicology* (english language) - [15h Mon. WS]	Q1	15	-	[+]	**4**
OCEA0144-1	*Biology of the coral reefs*	Q1	30	-	-	**3**
OCEA0158-1	*Phytoplankton, a tool for supporting the management of the marine environment* - [18h Mon. WS]	Q1	10	-	[+]	**4**

Data acquisition and processing

OCEA0159-1	*Advanced satellite oceanography* (english language) - Aida ALVERA AZCARATE	Q1	15	15	-	**3**
OCEA0224-1	*Statistical analysis of oceanographic data* - Marilaure GRÉGOIRE, Patrick MEYER	Q1	15	15	-	**3**
OCEA0027-1	*Applications of stable isotopes in marine sciences*	Q1	15	15	-	**4**
OCEA0085-1	*Methods of investigation, observation and analysis of marine plankton* - [17h Mon. WS]	Q1	10	-	[+]	**4**
GEOL0021-7	*Geophysical prospecting* - Frédéric NGUYEN - [5d FW, 20h Proj.]	Q2	26	20	[+]	**5**
PHYS0999-1	*Digital creation in sciences* - Roland BILLEN, Valentin FISCHER, Pierre MATHONET, JeanChristophe MONBALIU, Eric PARMENTIER, Nicolas VANDEWALLE - [30h Proj.]	TA	10	-	[+]	**5**

[...] Exceptionally, and in agreement with the Jury, one or several courses may be chosen from the courses' programmes of other field of education of the Faculty of Sciences, other faculties or other universities (for

example, in connection with the final dissertation, etc.).

Cours obligatoires du tronc commun

DOCU0461-1	*Documentary training and preparing a dissertation*	Q1				**3**
	- Bibliographic research - [20h Mon. WS]		-	-	[+]	
	- Preparation of a scientific and/or technical report - [10h Mon. WS]		-	-	[+]	
SMEM0003-1	*Final thesis*	TA	-	-	-	**27**

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