

Vue bloc du programme des cours

Or Th Pr Au Cr

Bloc 1

Compulsory course

SHUL0069-1 *Master thesis* - COLLÉGIALITÉ TA - - - **30**

Focus courses

Single Focus

Research Focus

OCEA0057-7 *Marine Ecology* (anglais) Q1 **6**
 - *Marine ecology* - Sylvie GOBERT, Mathieu POULICEK - [6j T. t.] 15 - [+]
 - *Introduction to marine ecosystems modelling* - Marilaure GRÉGOIRE 15 15 -

Courses totaling 24 credits have to be chosen among :

Framework : global environment

OCEA0055-5 *Biogeochemical Cycles in the Ocean* (anglais) Q1 **6**
 - *Biogeochemistry 1* - Bruno DELILLE, Anne MOUCHET 20 - -
 - *Biogeochemistry 2* - Bruno DELILLE, Anne MOUCHET 20 - -

OCEA0056-1 *Marine Plant Biology and Ecology* (anglais) 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* (anglais) Q1 **6**
 - *Carbon, nutrient, greenhouse gases dynamics in marine ecosystems* - Alberto BORGES 20 5 -
 - *Geological oceanography* - Nathalie FAGEL - [1j T. t.] 20 20 [+]

OCEA0059-1 *Remote Sensing of the Oceans* (anglais) Q1 **6**
 - *Introduction to satellite oceanography* - Yves CORNET 15 15 -
 - *Advanced satellite oceanography* - Yves CORNET 15 15 -

Scientific challenges & opportunities : marine environment protection & resources protection

OCEA0060-1 *Advanced Marine Zoology* (anglais) 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* (anglais) 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* (anglais) 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* (anglais) 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* (anglais) Q1 **6**
 - *Marine bacteriology* - Mathieu POULICEK 15 30 -
 - *Molecular approaches to the diversity of marine microorganisms* - Annick WILMOTTE 15 15 -

Data analysis : interpretation of environmental data

OCEA0081-1 *Numerical methods in geophysics - Part 2* (anglais) - Q1 15 30 - **6**

