

Vue bloc du programme des cours

Or Th Pr Au Cr

Bloc 1

Compulsory courses

STFE9002-1 *Master thesis* - COLLÉGIALITÉ TA - - - 30

Compulsory course within the focus

OCEA0057-7 *Marine Ecology* (anglais) TA 6
 - *Marine ecology* - Krishna DAS, Sylvie GOBERT - [5h TD] 10 - [+]
 - *Introduction to marine ecosystems modelling* - Marilaure GRÉGOIRE 15 15 -
 - *Marine ecology fieldtrip* - Krishna DAS, Sylvie GOBERT - [6j T. t.] - - [+]

Optional courses within the focus

Courses totaling 24 credits have to be chosen among :

Framework : global ocean environment

OCEA0055-5 *Biogeochemical Cycles in the Ocean* (anglais) Q1 6
 - *Biogeochemistry 1* - Odile CRABECK, Bruno DELILLE, Peter LANDSCHÜTZER 20 - -
 - *Biogeochemistry 2 (Advanced Marine Geochemistry)* - Odile CRABECK, Bruno DELILLE, Peter LANDSCHÜTZER 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 -
 - *Marine sediment geochemistry* - Nathalie FAGEL 15 15 -
 OCEA0059-1 *Remote Sensing of the Oceans* (anglais) 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* (anglais) - Sylvie GOBERT, Michel MARENGO Q2 - - - 6
 OCEA0080-1 *Biochemistry, Physiology, Biology of coral reefs* (anglais) Q1 6
 - *Physiology and biochemistry of the marine animals* - Philippe COMPÈRE 15 15 -
 - *Biology of coral reefs* - Stéphane ROBERTY 30 - -
 OCEA0062-6 *Ecotoxicology and Biodegradation of Marine Pollutants, Marine ecotoxicology* (anglais) - Krishna DAS - [15h TD] Q1 15 - [+] 6
 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, Molecular approaches to the diversity of marine microorganisms* (anglais) - Annick WILMOTTE Q1 25 25 - 6

Data analysis : interpretation of environmental data

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