

#### **Block view of the study programme**

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#### **Block 1**

##### **Compulsory courses within the focus**

OCEA0057-9	<i>Marine Ecology</i> (english language) - <i>Marine ecology</i> - [5h Mon. WS] - <i>Marine ecology fieldtrip</i> - [6d FW]	TA 10 -	-	[+] [-] [+]	<b>6</b>
OCEA0062-6	<i>Ecotoxicology and Biodegradation of Marine Pollutants, Marine ecotoxicology</i> (english language) - [15h Mon. WS]	Q1 -	15	-	[+] <b>6</b>
OCEA0228-1	<i>Ecotoxicology and risk quantification</i> - <i>Ecotoxicology</i> - <i>Quantification of the environmental risk associated with pollutants and decision-making</i>	Q1 20 16	18 8	-	<b>6</b>

##### **Optional courses withing the focus**

Courses totalling 12 credits have to be chosen among:

OCEA0063-1	<i>Biology of Marine Mammals</i> (english language) - <i>Part I : Ecology and Ecotoxicology</i> - <i>Part II : pathology and necropsies</i>	Q1 15 15	-	-	<b>6</b>
OCEA0055-5	<i>Biogeochemical Cycles in the Ocean</i> (english language) - <i>Biogeochemistry 1</i> - <i>Biogeochemistry 2 (Advanced Marine Geochemistry)</i>	Q1 20 20	-	-	<b>6</b>
OCEA0082-1	<i>Carbon, nutrient, greenhouse gases dynamics in marine ecosystems and geological oceanography</i> (english language) - <i>Carbon, nutrient, greenhouse gases dynamics in marine ecosystems</i> - Alberto BORGES - <i>Marine sediment geochemistry</i> - Nathalie FAGEL	Q1 20 15	5 15	-	<b>6</b>
OCEA0229-1	<i>Mathematical analysis and modelling methods applied to the environment</i> / <i>Introduction to marine ecosystems modelling</i> (english language) - <i>Introduction to marine ecosystems modelling</i> - Marilaure GRÉGOIRE - <i>Mathematical analysis and modelling methods applied to the environment</i> - Marilaure GRÉGOIRE	Q1 15 20	15 20	-	<b>6</b>

#### **Block 2**

##### **Compulsory course**

STFE0033-1	<i>Master thesis</i> (english language)	TA -	-	-	<b>30</b>
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