

#### Block view of the study programme

Or Th Pr Au Cr

##### Block 1

##### Life Sciences Department

|            |                                                                                                |    |    |    |   |   |
|------------|------------------------------------------------------------------------------------------------|----|----|----|---|---|
| SDOC0061-1 | <i>Molecular tools for bacterial system and ecology</i> - Annick WILMOTTE                      | TA | 15 | -  | - | 3 |
| SDOC0062-1 | <i>Cyanobacteria: diversity, evolution and ecology</i> - Annick WILMOTTE                       | TA | 15 | -  | - | 3 |
| SDOC0043-1 | <i>Mass culture of algae: theory and application</i>                                           |    | 15 | 15 | - | 3 |
| SDOC0046-1 | <i>Genetic physiology of flowering</i> - Claire PÉRILLEUX                                      | TA | 15 | -  | - | 3 |
| SDOC0004-1 | <i>Production of recombinant proteins in eukaryotic systems</i> - Alain BRANS, Mohammed TERRAK |    | 15 | -  | - | 3 |
| SDOC0048-1 | <i>Protein purification</i> - Moreno GALLEN, André MATAGNE, N...                               | Q2 | 15 | -  | - | 3 |
| SDOC0033-1 | <i>Biophysics and bioenergetics</i> - Pierre CARDOL                                            |    | 15 | -  | - | 3 |

##### Geology Department

|            |                                                                                                          |    |    |    |     |   |
|------------|----------------------------------------------------------------------------------------------------------|----|----|----|-----|---|
| SDOC0052-1 | <i>Carbonated environments of petrology and basin analysis</i> - N... - [16h FW]                         | Q2 | 5  | 5  | [+] | 3 |
| SDOC0053-1 | <i>Quaternary sedimentary archives and paleoenvironmental reconstructions</i> - Nathalie FAGEL           | TA | 5  | 15 | -   | 3 |
| SDOC0054-1 | <i>Rock analysis using spectrometry and X-ray fluorescence</i> - Jacqueline VANDER AUWERA                |    | 5  | 15 | -   | 3 |
| SDOC0056-1 | <i>Precambrian paleobiogeology</i> - Emmanuelle JAVAUX                                                   |    | 10 | 10 | -   | 3 |
| GEOL0225-3 | <i>Analytical geochemistry</i> - Nathalie FAGEL - [1d FW] (Even years)                                   | Q2 | 10 | 10 | [+] | 3 |
| GEOL0297-1 | <i>Diagenesis and dynamics of sedimentary basins</i> - AnneChristine DA SILVA, AnneChristine DA SILVA    | Q1 | 15 | 15 | -   | 3 |
| GEOL0303-1 | <i>Geomagnetism and environmental magnetism</i> (english language) - AnneChristine DA SILVA (Even years) | Q2 | 15 | 5  | -   | 3 |
| GEOL1038-1 | <i>Minerals Crystal Chemistry</i> - Frédéric HATERT - [2d FW]                                            | Q2 | 15 | 15 | [+] | 3 |

##### Maths Department

|            |                                                 |  |    |   |   |   |
|------------|-------------------------------------------------|--|----|---|---|---|
| SDOC0032-1 | <i>Analysis of time series</i> - Samuel NICOLAY |  | 20 | - | - | 3 |
|------------|-------------------------------------------------|--|----|---|---|---|

##### Department of Physics

|            |                                                                                                                                    |    |    |   |   |   |
|------------|------------------------------------------------------------------------------------------------------------------------------------|----|----|---|---|---|
| SDOC0063-1 | <i>Topological insights into polar and magnetic textures: from theory to application</i> (english language) - Fernando GOMEZ ORTIZ | TA | 15 | - | - | 3 |
|------------|------------------------------------------------------------------------------------------------------------------------------------|----|----|---|---|---|

##### Department of Astrophysics, Geography and Oceanography

|            |                                          |    |    |    |   |   |
|------------|------------------------------------------|----|----|----|---|---|
| SDOC0001-1 | <i>Communicating Science</i> - Yaël NAZÉ | Q2 | 10 | 10 | - | 3 |
|------------|------------------------------------------|----|----|----|---|---|