

Th Pr Au Cr

A single year

List of Phd courses

Life Sciences Department

| | | | | | |
|------------|---|----|----|---|---|
| MDOC0040-1 | <i>Flow cytometry : multiparametric analysis and cell sorting</i> - Roland GREIMERS | 15 | - | - | 3 |
| SDOC0041-1 | <i>Elements of molecular neurobiology</i> - Lucien BETTENDORFF | 15 | - | - | 3 |
| SDOC0043-1 | <i>Mass culture of algae: theory and application</i> - Fabrice FRANCK | 15 | 15 | - | 3 |
| SDOC0044-1 | <i>Industrial microbiology and fermenters</i> - Philippe THONART | 12 | 14 | - | 3 |
| SDOC0045-1 | <i>Oxydative and anti-oxydant phenomena</i> - Jacques PIETTE | 6 | - | - | 3 |
| SDOC0046-1 | <i>Genetic physiology of flowering</i> - Claire PÉRILLEUX | 15 | - | - | 3 |
| SDOC0004-1 | <i>Production of recombinant proteins in eukaryotic systems</i> - Colette DUEZ | 15 | - | - | 3 |
| SDOC0048-1 | <i>Protein purification</i> - Moreno GALLEN, Bernard JORIS, André MATAGNE | 15 | - | - | 3 |
| SDOC0049-1 | <i>Cellular responses to DNA damage</i> - Yvette HABRAKEN | 15 | - | - | 3 |
| SDOC0050-1 | <i>Biochemical toxicology</i> - Marianne FILLET | 30 | - | - | 3 |
| SDOC0033-1 | <i>Complement of bioenergetics</i> - Pierre CARDOL | 15 | - | - | 3 |
| SDOC0058-1 | <i>Secondary metabolites in plants</i> - Jacques DOMMES | 15 | - | - | 3 |

Chemistry Department

| | | | | | |
|------------|---|----|----|-----|---|
| SDOC0009-1 | <i>Applications of mass spectrometry in biophysics</i> | 10 | - | - | 3 |
| SDOC0010-1 | <i>Heterocyclic chemistry</i> - André LUXEN | 10 | - | - | 3 |
| SDOC0011-1 | <i>Chemical communications</i> - Jean CLOSSET | 15 | - | - | 3 |
| SDOC0012-1 | <i>Recent development in mass spectrometry</i> - Edwin DE PAUW | 15 | - | - | 3 |
| SDOC0013-1 | <i>Chemical reaction dynamics : theoretical approaches</i> - Michèle DESOUTER | 10 | - | - | 3 |
| SDOC0014-1 | <i>Dynamics of chemical reactions: "ACLE"</i> - Michèle DESOUTER, Bernard LEYH, Françoise REMACLE | 20 | - | - | 3 |
| SDOC0002-1 | <i>Information Literacy</i> | | | | 3 |
| | - <i>Module 1 - Research and evaluation of information</i> - Caroline COLLETTE | 3 | 5 | - | |
| | - <i>Module 2 - Information management</i> - Caroline COLLETTE | 3 | 4 | - | |
| | - <i>Module 3 - Presentation of results</i> - Caroline COLLETTE | 2 | 3 | - | |
| SDOC0003-1 | <i>Technological management and intellectual property</i> - Nicole ANTHEUNIS - [10h Mon.15 WS] | | | [+] | 3 |
| SDOC0016-1 | <i>Molecular manipulation</i> - AnneSophie DUWEZ | 10 | - | - | 3 |
| SDOC0017-1 | <i>Electronic and optical properties of nano quantum dot networks</i> - Françoise REMACLE | 5 | - | - | 3 |
| SDOC0018-1 | <i>Rheology of complex liquids</i> - Guy BROZE | 7 | - | - | 3 |
| SDOC0019-1 | <i>Mass spectrometry</i> - Edwin DE PAUW | 10 | - | - | 3 |
| SDOC0020-1 | <i>Mass spectrometry applied to biomolecules</i> - N... | 15 | 15 | - | 3 |
| SDOC0057-1 | <i>In depth scientific issues</i> - COLLÉGIALITÉ | 15 | - | - | 3 |

Geography Department

| | | | | | |
|------------|---|---|---|-----|---|
| SDOC0021-1 | <i>Seminar : rural areas and landscape</i> - Serge SCHMITZ - [16h AUTR] | - | - | [+] | 3 |
|------------|---|---|---|-----|---|

Geology Department

| | | | | | |
|------------|---|----|----|-----|---|
| SDOC0052-1 | <i>Carbonated environments of petrology and basin analysis</i> - Frédéric BOULVAIN - [16h 5 FW] | 5 | 5 | [+] | 3 |
| SDOC0053-1 | <i>Quaternary sedimentary archives and paleoenvironmental reconstructions</i> - Nathalie FAGEL | 10 | 10 | - | 3 |
| SDOC0054-1 | <i>Rock analysis using spectrometry and X-ray fluorescence</i> - Jacqueline VANDER AUWERA | 5 | 15 | - | 3 |
| SDOC0055-1 | <i>Influence of geological risks on the environment</i> - HansBalder HAVENITH | 10 | 5 | - | 3 |
| SDOC0056-1 | <i>Precambrian paleobiogeology</i> - Emmanuelle JAVAUX | 10 | 10 | - | 3 |

Maths Department

| | | | | | |
|------------|---|----|---|---|---|
| SDOC0029-1 | <i>Probability and basic statistics</i> - Pierre MATHONET | 20 | - | - | 3 |
| SDOC0030-1 | <i>Multivariate statistics</i> - Gentiane HAESBROECK | 20 | - | - | 3 |
| SDOC0031-1 | <i>Linear models</i> - N... | 20 | - | - | 3 |
| SDOC0032-1 | <i>Analysis of time series</i> - Samuel NICOLAY | 20 | - | - | 3 |

Department of Astrophysics, Geography and Oceanography

| | | | | | |
|------------|---|----|----|---|---|
| SDOC0001-1 | <i>Communicating Science</i> - Yaël NAZÉ | 10 | 10 | - | 3 |
| SDOC0007-1 | <i>Advanced quantum theory (english language)</i> - JeanRené CUDELL, Cédric LORCE | 10 | 20 | - | 3 |
| SDOC0008-1 | <i>Advanced quantum field theory (english language)</i> - JeanRené CUDELL, Cédric LORCE | 10 | 20 | - | 3 |