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First Year

Compulsory courses

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|------------|---|----|----|-----|----|
| GEOL0210-1 | <i>Fieldwork in foreign countries</i> - Frédéric BOULVAIN, Nathalie FAGEL, Frédéric HATERT, HansBalder HAVENITH, Emmanuelle JAVAUX, Edouard POTY, Jacqueline VANDER AUWERA - [10d FW] | - | - | [+] | 6 |
| GEOL0301-1 | <i>Cartography and geomodelling (personnal work)</i> - HansBalder HAVENITH - [15d FW] | 10 | 30 | [+] | 10 |
| GEOL0297-1 | <i>Diagenesis and dynamics of sedimentary basins</i> - Frédéric BOULVAIN, AnneChristine DA SILVA | 15 | 15 | - | 3 |
| GEOL1022-2 | <i>Evolution of the biosphere in the Precambrian</i> - Emmanuelle JAVAUX | 20 | 10 | - | 3 |
| GEOL0099-1 | <i>Phanerozoic biosphere evolution</i> - Edouard POTY - [2d FW] | 20 | - | [+] | 4 |
| GEOL1027-1 | <i>Analytical mineralogy</i> - Frédéric HATERT | 15 | 15 | - | 3 |
| GEOL0209-1 | <i>Isotopic geochemistry and geochronology</i> - Jacqueline VANDER AUWERA | 20 | - | - | 3 |
| GEOL0282-1 | <i>Sedimentary and environmental geochemistry</i> - Nathalie FAGEL | 20 | 20 | - | 4 |
| GEOL0304-1 | <i>Introduction to neotectonics, seismology and physical volcanology</i> (english language) - HansBalder HAVENITH - [2d FW] | 25 | 15 | [+] | 4 |

Optional courses

Choose, in agreement with the Board of Studies, several courses totalling 20 credits, amongst :

Organized during even years

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| GEOL0296-1 | <i>Clays and environment</i> - Nathalie FAGEL (Even years) | 15 | 15 | - | 4 |
| GEOL0263-1 | <i>Astrobiology</i> - Philippe CLAEYS, Véronique DEHANT, Moreno GALLEN, Emmanuelle JAVAUX, Yaël NAZÉ, Annick WILMOTTE (Even years) | 30 | 15 | - | 5 |
| GEOL0214-1 | <i>Sedimentary deposits</i> - Edouard POTY - [2d FW] (Even years) | 15 | 15 | [+] | 4 |
| GEOL0302-1 | <i>Volcanology</i> - Jacqueline VANDER AUWERA (Even years) | 20 | 30 | - | 5 |
| GEOL0223-1 | <i>Complement of tectonics</i> - Olivier BOLLE (Even years) | 15 | 15 | - | 4 |
| GEOL0306-1 | <i>Techniques for extracting non-conventional hydrocarbons</i> - Xavier LIMPENS (Even years) | 15 | - | - | 3 |

Courses held in odd years :

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| GEOL0224-2 | <i>Paleoclimatology</i> - Nathalie FAGEL - [1d FW] (Odd years) | 15 | 15 | [+] | 4 |
| GEOL1023-1 | <i>Palynology - advanced course on Paleozoic spores</i> - Philippe STEEMANS (Odd years) | 30 | - | - | 4 |
| GEOL0218-1 | <i>The principles and methods of evolution</i> - Edouard POTY (Odd years) | 15 | - | - | 3 |
| GEOL0220-1 | <i>Cainozoic Stratigraphy</i> - Emile ROCHE (Odd years) | 15 | - | - | 3 |
| GEOL0298-1 | <i>Groundwater quality and protection</i> - Serge BROUYÈRE, Philippe ORBAN (Odd years) | 15 | 15 | - | 4 |
| GEOL1030-1 | <i>Meteoric palaeoweathering</i> - Johan YANS - [1d FW] (Odd years) | 12 | 12 | [+] | 3 |
| GEOL0303-1 | <i>Geomagnetism and environmental magnetism</i> (english language) - AnneChristine DA SILVA (Odd years) | 15 | 5 | - | 3 |

Courses organized each year :

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| GEOL0305-2 | <i>Paleoecology</i> - Bernard MOTTEQUIN, Edouard POTY - [1d FW] | 20 | - | [+] | 3 |
| GEOL0221-1 | <i>Quaternary Palynology</i> - N... - Suppl : Mona COURTPICON | 15 | 15 | - | 4 |
| GEOG0212-1 | <i>Pedology</i> - Gilles COLINET - [1d FW] | 15 | 8 | [+] | 3 |
| SPAT0027-4 | <i>Climate change and impacts</i> - Louis FRANÇOIS, Guy MUNHOVEN | 15 | 15 | - | 4 |
| CLIM0009-1 | <i>Biogeochemical cycle modelling and global changes</i> - Louis FRANÇOIS | 20 | 20 | - | 4 |
| SPAT0054-1 | <i>Astrophysics and astrochemistry</i> - Michaël DE BECKER | 15 | 5 | - | 3 |
| GEOL0255-2 | <i>Geological oceanography</i> - Nathalie FAGEL - [1d FW] | 20 | 20 | [+] | 4 |
| GEOL0225-3 | <i>Analytical Geochemistry</i> - Nathalie FAGEL | 10 | 10 | - | 3 |
| GEOL0256-1 | <i>Geochemistry of sediments and interstitial water</i> - Nathalie FAGEL | 15 | 15 | - | 4 |
| GEOL0213-1 | <i>Geodynamics</i> - N... - Suppl : JeanPaul LIÉGEOIS | 15 | - | - | 3 |
| CRIS0204-1 | <i>Complement of crystallography</i> - Frédéric HATERT | 15 | - | - | 3 |
| GEOL0254-1 | <i>Gravimetrics, magnetism, and their geological applications</i> - N... - Suppl : Michel EVERAERTS | 15 | 15 | - | 4 |
| GCIV0620-1 | <i>Introduction to geotechnics</i> - Robert CHARLIER, JeanPol RADU - [1d FW] | 30 | 20 | [+] | 5 |
| GEOL0020-6 | <i>Mineral resources</i> (english language) - Eric PIRARD | 30 | 30 | - | 5 |
| MINE0005-1 | <i>Mine and Quarry Working</i> - Jacques TACK | 20 | - | - | 3 |
| GEOL0023-2 | <i>Engineering geology (integrated project)</i> - Frédéric NGUYEN - [3d FW] | 25 | 25 | [+] | 5 |

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| GEOL1021-1 | <i>Introduction to geophysical exploration</i> - Lucien HALLEUX, Frédéric NGUYEN - [5d FW] | 30 | 30 | [+] | 6 |
| GEOL0260-2 | <i>Applied geophysics</i> - Frédéric NGUYEN - [2d FW] | 20 | 20 | [+] | 5 |
| GEOL0307-1 | <i>Geology of hydrocarbons</i> - Pierre CORNET | 20 | 20 | - | 4 |
| SPOL2209-3 | <i>Environmental and land policies</i> - Quentin MICHEL - Suppl : Sophie HANSON | 30 | - | - | 3 |
| GEOL0308-1 | <i>Environmental geology related to renewable energy resources and mining</i> (english language) - HansBalder HAVENITH - [1d FW] | 20 | 10 | [+] | 3 |
| GEOL0309-1 | <i>Assessment of geological risk</i> (english language) - HansBalder HAVENITH - [6d FW] | 30 | 15 | [+] | 5 |
| GEOL0236-2 | <i>Remote sensing and geological imaging</i> - COLLÉGIALITÉ, Eric PIRARD | 30 | 30 | - | 5 |
| [...] | 1 or 2 course(s) from the courses' programme of the University of Liege | | | | |

Second Year

Compulsory courses

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|------------|---|----|----|---|-----------|
| SMEM0022-1 | <i>Final thesis</i> - COLLÉGIALITÉ | - | - | - | 27 |
| GEOL0268-2 | <i>Introduction to Research</i> - Annick ANCEAU | 20 | 20 | - | 3 |

Research Focus

Compulsory course

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| SSTG0011-1 | <i>Placement</i> - Edouard POTY - [4w Internship] | - | - | [+] | 10 |
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Optional courses

With the approval of the Board of Studies, choose courses totalling 20 ECTS :

- [...] Choose additional courses not previously followed and totaling from 11 to 20 ECTS from the courses programme of the ULg
- [...] Maximum 9 ECTS can be chosen in the courses' programme of another university