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A single year

Compulsory courses

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|------------|---|----|----|-----|----|
| GEOL0301-1 | <i>Cartography and geomodelling (personnal work)</i> - HansBalder HAVENITH - [15d FW] | 10 | 30 | [+] | 10 |
| GEOL0268-2 | <i>Introduction to Research</i> - Annick ANCEAU | 20 | 20 | - | 3 |
| SMEM0021-1 | <i>Final thesis</i> - COLLÉGIALITÉ | - | - | - | 17 |

Optional courses

Choose, in agreement with the Board of Studies, several courses totalling 30 ECTS, from the following :

Geology

Courses held in 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 (english language)</i> - AnneChristine DA SILVA (Odd years) | 15 | 5 | - | 3 |

Courses organized each year :

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|------------|---|----|----|-----|---|
| GEOL0304-1 | <i>Introduction to neotectonics, seismology and physical volcanology (english language)</i> - HansBalder HAVENITH - [2d FW] | 25 | 15 | [+] | 4 |
| 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 |
| 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 |
| GEOL0282-1 | <i>Sedimentary and environmental geochemistry</i> - Nathalie FAGEL | 20 | 20 | - | 4 |
| 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 |
| GEOL0209-1 | <i>Isotopic geochemistry and geochronology</i> - Jacqueline VANDER AUWERA | 20 | - | - | 3 |
| CRIS0204-1 | <i>Complement of crystallography</i> - Frédéric HATERT | 15 | - | - | 3 |
| GEOL1027-1 | <i>Analytical mineralogy</i> - Frédéric HATERT | 15 | 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 (english language)</i> - 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 |
| Environmental management | | | | | |
| ENVT0031-2 | <i>Society / Environment</i> - François MELARD | 24 | 12 | - | 3 |
| ENVT0030-2 | <i>Managing the environment</i> - JeanMarie HAUGLUSTAINÉ, François MELARD, Pierre M. STASSART | 24 | 12 | - | 3 |
| ENVT0034-1 | <i>Environmental data management</i> - Philippe ANDRE, AnneClaude ROMAIN, Bernard TYCHON | 12 | 12 | - | 2 |
| ENVT0013-3 | <i>Assessment tools (impact assessment, LCA)</i> - Alain HANSON, Nathalie SEMAL | 12 | 12 | - | 2 |
| ENVT0848-3 | <i>Impacts of human activities on ecosystems and including land use</i> - Célia JOAQUIMJUSTO, Angélique LÉONARD, Roberto RENZONI, Emmanuël SÉRUSIAUX | 20 | 10 | - | 2 |

Notice : Students who choose the two courses from the "Environmental Science and Management" module will have direct access to the 2nd year of the Masters in Environmental Science and Management, organised on the Arlon campus. Other students will also have access to the 2nd year of the Masters in Environmental Science and Management, on the condition that they take courses corresponding to these 12 credits in addition to the 60 credits taken during this study year.

[...] 1 or 2 course(s) from the courses' programme of the University of Liege