

## Block view of the study programme

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### Block 1

Depending on your educational background or depending on the focus, it is possible that the prerequisites / corequisites for the 1st year of the programme are presented in the block 2. You are therefore invited to read through the list of courses in block 2 even if you are registering for the first time in this master.

As part of the Master of Of Science (MSc) in Geological and Mining Engineering, students must complete or have validated 60 common course credits (including the internship and the final thesis, 30 credits in the professional focus, and 30 credits of optional courses.

Ideally, students entering the Master's programme will have acquired the skills and knowledge corresponding to the 40 credits of technical courses specific to the 'Georesources and Environmental Geology' field organised as part of the Bachelor's degree in civil engineering.

The master is "bilingual French/English". Therefore, students who actively master French and/or English and another language passively will be capable of following the classes.

On a practical level, students can communicate with staff in both languages. Course material exists in both French and English (pdf, ppt and reference books). Students must indicate in which language they would like the questions to be.

A supervised but optional end-of-studies trip enables future professionals to visit companies and exceptional foreign geological sites.

### Focus courses

|            |  |    |    |    |     |   |
|------------|--|----|----|----|-----|---|
| GEOL0083-3 | <i>Groundwater modelling</i> (english language) - Serge BROUYÈRE, Philippe ORBAN - [30h Labo., 30h Proj.]<br><b>Corequisite :</b><br>GEOL0013-5 - Hydrogéologie          | Q1 | 30 | -  | [+] | 5 |
| GEOL1028-1 | <i>Site investigation</i> - Serge BROUYÈRE, Frédéric NGUYEN - [40d Proj., 40h Labo., 5d FW]  | Q2 | 5  | -  | [+] | 5 |
| GEOL1046-1 | <i>Geothermal energy</i> (english language) - Bertrand FRANÇOIS, Philippe ORBAN - [40h Proj., 1d FW]<br><b>Corequisite :</b><br>GEOL0083-3 - Groundwater modelling       | Q2 | 18 | 15 | [+] | 5 |
| GEOL0277-1 | <i>Groundwater quality and protection</i> (english language) - Serge BROUYÈRE, Philippe ORBAN - [1d FW, 35h Proj.]<br><b>Corequisite :</b><br>GEOL0013-5 - Hydrogéologie | Q1 | 20 | 20 | [+] | 5 |

### Core curriculum compulsory courses

|            |  |    |    |    |     |   |
|------------|--|----|----|----|-----|---|
| CHIM9284-2 | <i>Analytical chemistry I - Chemical analysis methods, Theory</i> - Gauthier EPPE  | Q1 | 26 | -  | -   | 2 |
| CHIM0740-2 | <i>Analytical chemistry II - Physicochemical techniques of analysis, Part A</i> - Gauthier EPPE<br><b>Corequisite :</b><br>CHIM9284-2 - Chimie analytique I - Méthodes chimiques d'analyse | Q2 | 10 | 30 | -   | 3 |
| GEOL0006-4 | <i>Rocks and sedimentary processes (partie I)</i> - AnneChristine DA SILVA - [4h Labo.]<br><b>Corequisite :</b><br>GEOL1026-1 - Compléments de géologie                                    | Q1 | 30 | -  | [+] | 2 |
| GEOL0284-1 | <i>Geology of Wallonia</i> - AnneChristine DA SILVA - [6d FW]<br><b>Corequisite :</b><br>GEOL0006-4 - Roches et processus sédimentaires  | Q2 | 20 | -  | [+] | 3 |
| GEOL1051-1 | <i>Geological imaging and remote sensing</i> (english language) - Eric PIRARD - [30h Proj.]  | Q2 | 26 | 26 | [+] | 5 |
| GCIV0045-4 | <i>Rock mechanics, tunnels, rock slopes, rock foundations</i> - Bertrand FRANÇOIS - [1d FW, 50h Proj.]<br><b>Corequisite :</b>   | Q2 | 20 | 4  | [+] | 5 |

GCIV0603-2 - Géotechnique et infrastructures

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| GEOL0097-2 | <i>Geostatistics</i> (english language) - Eric PIRARD - [30h Labo.] | Q1 | 30 | -  | [+] | 5 |
| GEOL0286-2 | <i>Geological mapping</i>   | Q2 |    |    |     | 5 |
|            | - <i>From theory to fieldwork</i> - HansBalder HAVENITH - [2d FW]   |    | 5  | 20 | [+] |   |
|            | - <i>Project</i> - HansBalder HAVENITH - [20h Proj.]                |    | -  | -  | [+] |   |

**Common core courses**

Choose courses totalling 10 credits out of the following :

**Students who haven't taken the GEOL0021-7, GCIV0603-2, GEOL1026-1 courses in the 'Geo-resources and Environmental Geology' optional subject in the Bachelor of Science (BSc) in Engineering programme or who haven't acquired the corresponding knowledge or skills, must include these three courses in their programme as a priority; these courses are corequisites for the master's compulsory courses. The GEOL0020-7 and GEOL0314-1 courses are also corequisites for the professional focus in Mineral Resources & Recycling and the GEOL0013-5 course is a corequisite for the Environmental & Geological Engineering focus. Students who don't master the corresponding skills shall choose their courses accordingly.**

|            |  |    |    |    |     |   |
|------------|--|----|----|----|-----|---|
| GCIV0185-7 | <i>Linear numerical methods in Civil and Geological Engineering</i> - Laurent DUCHENE, Michel PIROTTON - [30h Proj.]     | Q1 | 22 | 30 | [+] | 5 |
| GCIV0184-5 | <i>Building Materials</i> - Luc COURARD, Anne HABRAKEN - [0,5d FW, 12h Labo., 12h Proj.]                                 | Q2 | 36 | 16 | [+] | 5 |
| GEOL0029-4 | <i>Tectonics</i>   | Q1 |    |    |     | 5 |
|            | - <i>Part A</i> - Olivier BOLLE  |    | 30 | 20 | -   |   |
|            | - <i>Field work</i> - Olivier BOLLE - [2d FW]  |    | -  | -  | [+] |   |
| MECA0526-1 | <i>High Temperature Processes in Recycling &amp; Remanufacturing</i> (english language) - Anne MERTENS - [1d FW]         | Q1 | 26 | 26 | [+] | 5 |
| CHIM0695-2 | <i>Modelling of chemical &amp; energy processes</i> (english language) - Grégoire LÉONARD                                | Q1 | 20 | 32 | -   | 5 |
| GEOL0021-7 | <i>Geophysical prospecting</i> - Frédéric NGUYEN - [5d FW, 20h Proj.]  | Q2 | 26 | 20 | [+] | 5 |
| GEOL0020-7 | <i>Mineral resources</i> (english language) - Eric PIRARD - [1d FW, 26h Labo., 32h Proj.]                                | Q1 | 26 | -  | [+] | 5 |
| GEOL0319-2 | (pas organisé en 2024-2025) <i>Geological hazard and risk assessment</i> (english language)                              | Q2 |    |    |     | 5 |
|            | - <i>From theory to field work</i> - HansBalder HAVENITH - [2d FW, 20h Proj.]  |    | 20 | 5  | [+] |   |
|            | - <i>Project</i> - HansBalder HAVENITH - [20h Proj.]   |    | -  | -  | [+] |   |
| GEOL0013-5 | <i>Hydrogeology</i>  | Q1 |    |    |     | 5 |
|            | - <i>Part A</i> - Serge BROUYÈRE - [1d FW]   |    | 26 | 20 | [+] |   |
|            | - <i>Part B</i> - Serge BROUYÈRE - [10h Proj.]   |    | -  | -  | [+] |   |
| GCIV0603-2 | <i>Geotechnics and infrastructure</i> - Bertrand FRANÇOIS - [1d FW, 2h Labo.]  | Q2 | 26 | 26 | [+] | 5 |
| GEOL0314-1 | <i>Mineral processing I - basics</i> (english language) - Stoyan GAYDARDZHIEV - [30h Labo., 10h Proj., 1,5d FW]          | Q1 | 30 | -  | [+] | 5 |
| GEOL1026-1 | <i>Complement of geology</i>   | Q2 |    |    |     | 5 |
|            | - <i>Part 1 : Elements of mineralogy</i> - Frédéric HATERT   |    | 18 | 18 | -   |   |
|            | - <i>Part 2 : Elements of magmatic and metamorphic petrology</i> - Jacqueline VANDER AUWERA                              |    | 8  | 8  | -   |   |
| GEOL1052-1 | <i>Project in inverse modelling : from field to algorithms</i> (english language) - Frédéric NGUYEN - [30h Proj., 4d FW] | Q1 | 5  | 40 | [+] | 5 |
|            | <b>Corequisite :</b><br>GEOL0021-7 - Prospection géophysique   |    |    |    |     |   |

[...] or any individual course from the non-chosen focus in block 1

**or from the courses of the list below relating to the theme "Urban and Environmental Engineering"**

|            |   |    |    |   |     |   |
|------------|---|----|----|---|-----|---|
| UEEN0007-1 | <i>District Energy Systems</i> (english language) - Pierre DEWALLEF - [8h Proj., 1d FW] | Q1 | 16 | 8 | [+] | 3 |
|------------|---|----|----|---|-----|---|

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| UEEN0008-1 | <i>Urban water systems</i> (english language) - Benjamin DEWALS - [12h Proj.]   | Q1 | 18 | 18 | [+] | 3 |
| UEEN0002-1 | <i>Land rehabilitation in urban environments</i> (english language) - Serge BROUYÈRE, Frédéric COLLIN - [10h Labo., 20h Proj., 2d FW] | Q1 | 20 | 10 | [+] | 5 |
| UEEN0004-1 | <i>Urban planning and transportation</i> (english language) - Mario COOLS, Jacques TELLER - [1d FW]                                   | Q1 | 26 | 26 | [+] | 5 |
| UEEN0005-1 | <i>Participatory Design at an Urban Scale</i> (english language) - Catherine ELSEN - [20h Proj., 1d FW]                               | Q1 | 20 | 10 | [+] | 3 |
| UEEN0006-1 | <i>UEE Integrated Project</i> (english language) - Luc COURARD - [100h Proj., 1d FW]  | Q1 | -  | 90 | [+] | 6 |
| GEOG2053-1 | <i>Introduction to Urban GIS</i> - Roland BILLEN  | Q1 | 20 | 20 | -   | 3 |

## Block 2

### Focus courses

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| GEOL0313-1 | <i>Remediation of contaminated sites</i> (english language) - Serge BROUYÈRE - [2d FW, 40h Proj.]     | Q1 | 24 | 24 | [+] | 5 |
| GCIV2058-1 | <i>Environmental geotechnics</i> (english language) - Frédéric COLLIN - [1d FW, 10h Labo., 15h Proj.] | Q1 | 20 | 10 | [+] | 5 |

### Core curriculum compulsory courses

|            |  |    |    |   |     |    |
|------------|--|----|----|---|-----|----|
| ATFE0011-1 | <i>Master Thesis (including an introduction to research methodology)</i> - Serge BROUYÈRE, COLLÉGIALITÉ - [600h Proj.] | TA | -  | - | [+] | 20 |
| ASTG0017-1 | <i>Internship</i> - Stoyan GAYDARDZHIEV  | TA | -  | - | -   | 5  |
| GEST3162-1 | <i>Principles of management</i> (english language) - Thomas PIRSOUL, Willem STANDAERT - [25h Proj.]                    | Q1 | 30 | - | [+] | 5  |

### Common core courses

Choose courses totalling 20 credits out of the following :

|            |  |    |    |    |     |   |
|------------|--|----|----|----|-----|---|
| GCIV0185-7 | <i>Linear numerical methods in Civil and Geological Engineering</i> - Laurent DUCHENE, Michel PIROTTON - [30h Proj.]     | Q1 | 22 | 30 | [+] | 5 |
| GCIV0184-5 | <i>Building Materials</i> - Luc COURARD, Anne HABRAKEN - [0,5d FW, 12h Labo., 12h Proj.]                                 | Q2 | 36 | 16 | [+] | 5 |
| GEOL0029-4 | <i>Tectonics</i><br>- Part A - Olivier BOLLE<br>- Field work - Olivier BOLLE - [2d FW]                                   | Q1 | 30 | 20 | -   | 5 |
| MECA0526-1 | <i>High Temperature Processes in Recycling &amp; Remanufacturing</i> (english language) - Anne MERTENS - [1d FW]         | Q1 | 26 | 26 | [+] | 5 |
| CHIM0695-2 | <i>Modelling of chemical &amp; energy processes</i> (english language) - Grégoire LÉONARD                                | Q1 | 20 | 32 | -   | 5 |
| GEOL0281-4 | <i>Environmental impact of industrial and mining activities</i> - Stoyan GAYDARDZHIEV - [1d FW, 25h Labo., 5h Proj.]     | Q1 | 25 | -  | [+] | 5 |
| GEOL1045-1 | <i>Economic and societal issues in mining and recycling</i> (english language) - Eric PIRARD - [30h Proj., 2d FW]        | Q1 | 15 | -  | [+] | 5 |
| GEOL1052-1 | <i>Project in inverse modelling : from field to algorithms</i> (english language) - Frédéric NGUYEN - [30h Proj., 4d FW] | Q1 | 5  | 40 | [+] | 5 |

**Corequisite :**  
GEOL0021-7 - Prospection géophysique

[...] or any individual course from the non-chosen focus in block 2

[...] In agreement with the Jury, the student may choose a maximum of 10 credits from the list of other Masters courses in the Faculty of Applied Sciences or ou du catalogue UNIC.

**or from the courses of the list below relating to the theme "Urban and Environmental Engineering"**

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| UEEN0007-1 | <i>District Energy Systems</i> (english language) - Pierre DEWALLEF - [8h Proj., 1d FW]   | Q1 | 16 | 8  | [+] | 3 |
| UEEN0008-1 | <i>Urban water systems</i> (english language) - Benjamin DEWALS - [12h Proj.]   | Q1 | 18 | 18 | [+] | 3 |
| UEEN0002-1 | <i>Land rehabilitation in urban environments</i> (english language) - Serge BROUYÈRE, Frédéric COLLIN - [10h Labo., 20h Proj., 2d FW] | Q1 | 20 | 10 | [+] | 5 |
| UEEN0004-1 | <i>Urban planning and transportation</i> (english language) - Mario COOLS, Jacques TELLER - [1d FW]                                   | Q1 | 26 | 26 | [+] | 5 |
| UEEN0005-1 | <i>Participatory Design at an Urban Scale</i> (english language) - Catherine ELSEN - [20h Proj., 1d FW]                               | Q1 | 20 | 10 | [+] | 3 |
| UEEN0006-1 | <i>UEE Integrated Project</i> (english language) - Luc COURARD - [100h Proj., 1d FW]  | Q1 | -  | 90 | [+] | 6 |
| GEOG2053-1 | <i>Introduction to Urban GIS</i> - Roland BILLEN  | Q1 | 20 | 20 | -   | 3 |

**Bloc d'aménagement du programme de l'année**

**Bridging courses Master in mining and geological engineering (generic programme)**

**Optional courses**

Each student's programme will be determined by the jury depending on their prior training. If an applicant does not meet certain prerequisites, his or her programme may include up to 60 credits of bridging courses, essentially taken from the list below :

|             |   |    |    |    |     |   |
|-------------|---|----|----|----|-----|---|
| MATH0006-3  | <i>Introduction to numerical analysis</i> (english language) - Quentin LOUVEAUX                                 | Q1 | 20 | 20 | -   | 5 |
| MECA0001-2  | <i>Mechanics of materials</i> - JeanFrançois DEMONCEAU, Laurent DUCHENE - [2h Labo., 12h Proj.]                 | Q1 | 27 | 25 | [+] | 5 |
| MECA0011-2  | <i>Fluid Mechanics : Basics</i> - Michel PIROTON - [25h Proj.]  | Q2 | 20 | 30 | [+] | 4 |
| GEOLO021-7  | <i>Geophysical prospecting</i> - Frédéric NGUYEN - [5d FW, 20h Proj.]   | Q2 | 26 | 20 | [+] | 5 |
| GEOLO020-7  | <i>Mineral resources</i> (english language) - Eric PIRARD - [1d FW, 26h Labo., 32h Proj.]                       | Q1 | 26 | -  | [+] | 5 |
| GEOLO013-5  | <i>Hydrogeology</i><br>- Part A - Serge BROUYÈRE - [1d FW]<br>- Part B - Serge BROUYÈRE - [10h Proj.]           | Q1 | 26 | 20 | [+] | 5 |
| GCIV0603-2  | <i>Geotechnics and infrastructure</i> - Bertrand FRANÇOIS - [1d FW, 2h Labo.]                                   | Q2 | 26 | 26 | [+] | 5 |
| GEOLO0314-1 | <i>Mineral processing I - basics</i> (english language) - Stoyan GAYDARDZHIEV - [30h Labo., 10h Proj., 1,5d FW] | Q1 | 30 | -  | [+] | 5 |
| GEOLO001-1  | <i>Geology and Engineering geology</i> - Serge BROUYÈRE, Philippe ORBAN - [2d FW]                               | Q2 | 30 | 22 | [+] | 5 |

[...] Choose maximum 16 credits to complete the curriculum

**Bridging courses Master in mining and geological engineering (aimed at bachelors in geography)**

The Bachelors in Geographic Sciences follows the normal Masters programme with the addition of the 44 credits below (Block 0).

|            |   |    |    |    |   |   |
|------------|---|----|----|----|---|---|
| MATH0006-3 | <i>Introduction to numerical analysis</i> (english language) - Quentin LOUVEAUX | Q1 | 20 | 20 | - | 5 |
|------------|---|----|----|----|---|---|

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| MECA0001-2 | <i>Mechanics of materials</i> - JeanFrançois DEMONCEAU, Laurent DUCHENE - [2h Labo., 12h Proj.]                 | Q1 | 27 | 25 | [+] | 5 |
| MECA0011-2 | <i>Fluid Mechanics : Basics</i> - Michel PIROTON - [25h Proj.]  | Q2 | 20 | 30 | [+] | 4 |
| GEOL0001-1 | <i>Geology and Engineering geology</i> - Serge BROUYÈRE, Philippe ORBAN - [2d FW]                               | Q2 | 30 | 22 | [+] | 5 |
| GEOL0021-7 | <i>Geophysical prospecting</i> - Frédéric NGUYEN - [5d FW, 20h Proj.]   | Q2 | 26 | 20 | [+] | 5 |
| GEOL0020-7 | <i>Mineral resources</i> (english language) - Eric PIRARD - [1d FW, 26h Labo., 32h Proj.]                       | Q1 | 26 | -  | [+] | 5 |
| GEOL0013-5 | <i>Hydrogeology</i><br>- Part A - Serge BROUYÈRE - [1d FW]<br>- Part B - Serge BROUYÈRE - [10h Proj.]           | Q1 | 26 | 20 | [+] | 5 |
| GCIV0603-2 | <i>Geotechnics and infrastructure</i> - Bertrand FRANÇOIS - [1d FW, 2h Labo.]                                   | Q2 | 26 | 26 | [+] | 5 |
| GEOL0314-1 | <i>Mineral processing I - basics</i> (english language) - Stoyan GAYDARDZHIEV - [30h Labo., 10h Proj., 1,5d FW] | Q1 | 30 | -  | [+] | 5 |

### **Bridging courses Master in mining and geological engineering (aimed at masters in engineering: bioengineering)**

The programme for Bachelors in Engineering Sciences, specialised in bioengineering, includes 135 credits. This is established by the President of the jury by taking into account skills previously acquired by the student and by completing the programme from the courses listed in the planning block presented below.

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| MATH0006-3 | <i>Introduction to numerical analysis</i> (english language) - Quentin LOUVEAUX                                 | Q1 | 20 | 20 | -   | 5 |
| MECA0001-2 | <i>Mechanics of materials</i> - JeanFrançois DEMONCEAU, Laurent DUCHENE - [2h Labo., 12h Proj.]                 | Q1 | 27 | 25 | [+] | 5 |
| MECA0011-2 | <i>Fluid Mechanics : Basics</i> - Michel PIROTON - [25h Proj.]  | Q2 | 20 | 30 | [+] | 4 |
| GEOL0001-1 | <i>Geology and Engineering geology</i> - Serge BROUYÈRE, Philippe ORBAN - [2d FW]                               | Q2 | 30 | 22 | [+] | 5 |
| GEOL0021-7 | <i>Geophysical prospecting</i> - Frédéric NGUYEN - [5d FW, 20h Proj.]   | Q2 | 26 | 20 | [+] | 5 |
| GEOL0020-7 | <i>Mineral resources</i> (english language) - Eric PIRARD - [1d FW, 26h Labo., 32h Proj.]                       | Q1 | 26 | -  | [+] | 5 |
| GEOL0013-5 | <i>Hydrogeology</i><br>- Part A - Serge BROUYÈRE - [1d FW]<br>- Part B - Serge BROUYÈRE - [10h Proj.]           | Q1 | 26 | 20 | [+] | 5 |
| GCIV0603-2 | <i>Geotechnics and infrastructure</i> - Bertrand FRANÇOIS - [1d FW, 2h Labo.]                                   | Q2 | 26 | 26 | [+] | 5 |
| GEOL0314-1 | <i>Mineral processing I - basics</i> (english language) - Stoyan GAYDARDZHIEV - [30h Labo., 10h Proj., 1,5d FW] | Q1 | 30 | -  | [+] | 5 |

### **Bridging courses Master in mining and geological engineering (aimed at Bachelors in geology)**

The programme for Bachelors in Geology is worth 135 credits. This is established by the President of the jury by taking into account skills previously acquired by the student from the Block 1 courses (analytical chemistry, rocks and sedimentary processes) and by completing the programme from the courses listed in the planning block presented below.

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| MATH0006-3 | <i>Introduction to numerical analysis</i> (english language) - Quentin LOUVEAUX                 | Q1 | 20 | 20 | -   | 5 |
| MECA0001-2 | <i>Mechanics of materials</i> - JeanFrançois DEMONCEAU, Laurent DUCHENE - [2h Labo., 12h Proj.] | Q1 | 27 | 25 | [+] | 5 |

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| MECA0011-2 | <i>Fluid Mechanics : Basics</i> - Michel PIROTTON - [25h Proj.]   | Q2 | 20 | 30 | [+] | 4 |
| GEOL0001-1 | <i>Geology and Engineering geology</i> - Serge BROUYÈRE, Philippe ORBAN - [2d FW]                               | Q2 | 30 | 22 | [+] | 5 |
| GEOL0021-7 | <i>Geophysical prospecting</i> - Frédéric NGUYEN - [5d FW, 20h Proj.]   | Q2 | 26 | 20 | [+] | 5 |
| GEOL0020-7 | <i>Mineral resources</i> (english language) - Eric PIRARD - [1d FW, 26h Labo., 32h Proj.]                       | Q1 | 26 | -  | [+] | 5 |
| GEOL0013-5 | <i>Hydrogeology</i><br>- Part A - Serge BROUYÈRE - [1d FW]<br>- Part B - Serge BROUYÈRE - [10h Proj.]           | Q1 | 26 | 20 | [+] | 5 |
| GCIV0603-2 | <i>Geotechnics and infrastructure</i> - Bertrand FRANÇOIS - [1d FW, 2h Labo.]                                   | Q2 | 26 | 26 | [+] | 5 |
| GEOL0314-1 | <i>Mineral processing I - basics</i> (english language) - Stoyan GAYDARDZHIEV - [30h Labo., 10h Proj., 1,5d FW] | Q1 | 30 | -  | [+] | 5 |

**Bridging courses M geol & mining engineer. (gen.)**

|            |   |    |    |    |     |   |
|------------|---|----|----|----|-----|---|
| MATH0006-3 | <i>Introduction to numerical analysis</i> (english language) - Quentin LOUVEAUX                                 | Q1 | 20 | 20 | -   | 5 |
| MECA0001-2 | <i>Mechanics of materials</i> - JeanFrançois DEMONCEAU, Laurent DUCHENE - [2h Labo., 12h Proj.]                 | Q1 | 27 | 25 | [+] | 5 |
| MECA0011-2 | <i>Fluid Mechanics : Basics</i> - Michel PIROTTON - [25h Proj.]   | Q2 | 20 | 30 | [+] | 4 |
| GEOL0021-7 | <i>Geophysical prospecting</i> - Frédéric NGUYEN - [5d FW, 20h Proj.]   | Q2 | 26 | 20 | [+] | 5 |
| GEOL0020-7 | <i>Mineral resources</i> (english language) - Eric PIRARD - [1d FW, 26h Labo., 32h Proj.]                       | Q1 | 26 | -  | [+] | 5 |
| GEOL0013-5 | <i>Hydrogeology</i><br>- Part A - Serge BROUYÈRE - [1d FW]<br>- Part B - Serge BROUYÈRE - [10h Proj.]           | Q1 | 26 | 20 | [+] | 5 |
| GCIV0603-2 | <i>Geotechnics and infrastructure</i> - Bertrand FRANÇOIS - [1d FW, 2h Labo.]                                   | Q2 | 26 | 26 | [+] | 5 |
| GEOL0314-1 | <i>Mineral processing I - basics</i> (english language) - Stoyan GAYDARDZHIEV - [30h Labo., 10h Proj., 1,5d FW] | Q1 | 30 | -  | [+] | 5 |
| GEOL0001-1 | <i>Geology and Engineering geology</i> - Serge BROUYÈRE, Philippe ORBAN - [2d FW]                               | Q2 | 30 | 22 | [+] | 5 |