

Faculty of Sciences

Master of Science in Geology

Language of instruction: Dutch

Programme version 15

## 1 General Courses

60 credits

Subscribe to 1 major from the following list. Subject to approval by the faculty.

### 1.1 Major Basins and Orogens

60 credits

| Nr | Course  | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1  | C002607 Micropaleontology and Paleo-environmental Reconstruction [en]<br><i>Stephen Louwye -- Department of Geology</i>       | 6    |     | 1   | A:1     | 150   |
| 2  | C002646 Field Course: Biosphere Evolution and Stratigraphy [en]<br><i>Stephen Louwye -- Department of Geology</i>             | 6    |     | 1   | A:1     | 150   |
| 3  | C002645 Exploration Geophysics [en]<br><i>David Van Rooij -- Department of Geology</i>  | 6    |     | 1   | A:1     | 150   |
| 4  | C003335 Origin, Evolution and Modelling of Sedimentary Basins [en]<br><i>Katleen Wils -- Department of Geology</i>            | 6    |     | 1   | A:1     | 150   |
| 5  | C003336 Geochronology [en]<br><i>Johan De Grave -- Department of Geology</i>  | 6    |     | 1   | A:1     | 150   |
| 6  | C003994 Mineral Resources, Economics and the Environment [en]<br><i>Stijn Dewaele -- Department of Geology</i>                | 6    |     | 2   | A:1     | 150   |
| 7  | C003693 Imaging Techniques of Consolidated and Unconsolidated Sediments [en]<br><i>Veerle Cnudde -- Department of Geology</i> | 6    |     | 2   | A:1     | 176   |
| 8  | C002664 Paleoclimatology [en]<br><i>Dirk Verschuren -- Department of Biology</i>  | 6    |     | 2   | A:1     | 150   |
| 9  | C003567 Field Course: Geology of Basins and Orogens [en]<br><i>Johan De Grave -- Department of Geology</i>                    | 6    |     | 2   | A:1     | 150   |
| 10 | C003337 Advanced Sedimentology [en]<br><i>Maarten Van Daele -- Department of Geology</i>                                      | 6    |     | 2   | A:1     | 156   |

### 1.2 Major Groundwater and Mineral Resources

60 credits

| Nr | Course  | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1  | C002655 Groundwater Chemistry [en]<br><i>Marieke Paepen -- Department of Geology</i>  | 6    |     | 1   | A:1     | 150   |
| 2  | C002656 Groundwater Modelling [en]<br><i>Thomas Hermans -- Department of Geology</i>  | 6    |     | 1   | A:1     | 150   |
| 3  | C002645 Exploration Geophysics [en]<br><i>David Van Rooij -- Department of Geology</i>  | 6    |     | 1   | A:1     | 150   |
| 4  | C003693 Imaging Techniques of Consolidated and Unconsolidated Sediments [en]<br><i>Veerle Cnudde -- Department of Geology</i> | 6    |     | 1   | A:1     | 176   |
| 5  | C003994 Mineral Resources, Economics and the Environment [en]<br><i>Stijn Dewaele -- Department of Geology</i>                | 6    |     | 1   | A:1     | 150   |
| 6  | C004415 Hydrogeophysics Project [en]<br><i>Thomas Hermans -- Department of Geology</i>  | 6    |     | 2   | A:1     | 150   |
| 7  | C003996 Groundwater and Mineral Resources Apprenticeship [en]<br><i>Thomas Hermans -- Department of Geology</i>               | 6    |     | 2   | A:1     | 150   |

|    |         |  |   |   |     |     |
|----|---------|--|---|---|-----|-----|
| 8  | C003995 | Geology of Building Stones [en]<br><i>Veerle Cnudde -- Department of Geology</i>           | 6 | 2 | A:1 | 176 |
| 9  | C002651 | Geographic Information Systems [en]<br><i>Nico Van de Weghe -- Department of Geography</i> | 6 | 2 | A:1 | 150 |
| 10 | C002615 | Environmental Impact Assessment [en]<br><i>Marieke Paepen -- Department of Geology</i>     | 6 | 2 | A:1 | 150 |

## 2 Minors 30 credits

### 2.1 Minor Professionalisation 30 credits

Subscribe to 30 credit units from the following list, with 15 credit units with reference a.

| Nr | Course  | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1  | C004256 Professional Apprenticeship<br><i>Thomas Hermans -- Department of Geology</i>                                   | 15   | a   |     | A:2     | 430   |
| 2  | K001013 Politics of Sustainability<br><i>Erik Paredis -- Department of Political Sciences</i>                           | 6    |     |     | A:2     | 180   |
| 3  | C002275 Environmental Law<br><i>Hendrik Schoukens -- Department of European, Public and International Law</i>           | 5    |     |     | A:1     | 125   |
| 4  | C003771 Databases<br><i>Guy De Tré -- Department of Telecommunications and Information Processing</i>                   | 6    |     |     | A:1     | 180   |
| 5  | E076450 Basic Entrepreneurship  | 3    | UKV |     | A:1     | 90    |
| 6  | F000752 Environmental Economics and Policy<br><i>Brent Bleys -- Department of Economics</i>                             | 4    |     |     | B:2     | 120   |
| 7  | F000859 Corporate Social Responsibility<br><i>Saskia Crucke -- Department of Marketing, Innovation and Organisation</i> | 3    |     |     | A:2     | 90    |
| 8  | E066012 Materials Technology<br><i>Kim Verbeken -- Department of Materials, Textiles and Chemical Engineering</i>       | 4    |     |     | A:2     | 120   |
| 9  | F000845 Business Administration<br><i>Mirjam Knockaert -- Department of Marketing, Innovation and Organisation</i>      | 4    |     |     | A:2     | 120   |
| 10 | F000551 Business Skills [en]<br><i>Mieke Audenaert -- Department of Marketing, Innovation and Organisation</i>          | 4    |     |     | C:2     | 120   |
| 11 | F001010 Financial Markets and Institutions<br><i>Rudi Vander Vennet -- Department of Economics</i>                      | 5    |     |     | A:2     | 150   |
| 12 | F000758 Economics<br><i>Bruno Merlevede -- Department of Economics</i>  | 5    |     |     | A:1     | 150   |
| 13 | F001009 Business Cycles and Growth<br><i>Freddy Heylen -- Department of Economics</i>                                   | 5    |     |     | A:1     | 150   |
| 14 | F001008 Markets and Prices<br><i>Dirk Van de gaer -- Department of Economics</i>  | 5    |     |     | A:1     | 150   |
| 15 | F000768 Marketing Management<br><i>Maggie Geuens -- Department of Marketing, Innovation and Organisation</i>            | 6    |     |     | A:1     | 180   |

## 3 Master's Dissertation 30 credits

| Nr | Course                        | CRDT | Ref | MT1 | Session | Study |
|----|-------------------------------|------|-----|-----|---------|-------|
| 1  | C002954 Master's Dissertation | 30   |     | 2   | A:J     | 900   |

## Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

|               |             |             |               |                |                      |             |
|---------------|-------------|-------------|---------------|----------------|----------------------|-------------|
| bg: Bulgarian | de: German  | es: Spanish | ja: Japanese  | pl: Polish     | sh: Croatian/Serbian | zh: Chinese |
| cs: Czech     | el: Greek   | fr: French  | nl: Dutch     | pt: Portuguese | sl: Slovene          |             |
| da: Danish    | en: English | it: Italian | no: Norwegian | ru: Russian    | sv: Swedish          |             |

## Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

|                 |                                 |                                 |                                 |
|-----------------|---------------------------------|---------------------------------|---------------------------------|
| a: bi-annually  | c: annually, from 2026-2027     | f: annually, from 2027-2028     | i: annually, from 2028-2029     |
| b: tri-annually | d: bi-annually, from 2026-2027  | g: bi-annually, from 2027-2028  | j: bi-annually, from 2028-2029  |
|                 | e: tri-annually, from 2026-2027 | h: tri-annually, from 2027-2028 | k: tri-annually, from 2028-2029 |