

Faculty of Sciences

Bachelor of Science in Geography and Geomatics

Language of instruction: Dutch

Programme version 3

## 1 General Courses 165 credits

| Nr | Course  | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1  | C000514 Mathematics I<br>Koen Thas -- Department of Mathematics: Algebra and Geometry             | 5    |     | 1   | A:1     | 130   |
| 2  | C000057 Physics I<br>Bartel Van Waeyenberge -- Department of Solid State Sciences                 | 5    |     | 1   | A:1     | 140   |
| 3  | C003609 Introduction to Geology<br>Stephen Louwye -- Department of Geology                        | 5    |     | 1   | A:1     | 150   |
| 4  | C003530 Geodesy [en, nl]<br>Haosheng Huang -- Department of Geography                             | 5    |     | 1   | A:2     | 150   |
| 5  | F000758 Economics<br>Bruno Merlevede -- Department of Economics                                   | 5    |     | 1   | A:1     | 150   |
| 6  | C001392 Chemistry<br>Katrien Strubbe -- Department of Chemistry                                   | 5    |     | 1   | A:2     | 140   |
| 7  | C001837 Mathematics II<br>Koen Thas -- Department of Mathematics: Algebra and Geometry            | 5    |     | 1   | A:2     | 130   |
| 8  | C000673 Physics II<br>Bartel Van Waeyenberge -- Department of Solid State Sciences                | 5    |     | 1   | A:2     | 150   |
| 9  | C003868 Physical Geography: Shaping the Earth Surface<br>Amaury Frankl -- Department of Geography | 5    |     | 1   | A:2     | 150   |
| 10 | C003531 Geographic Information Systems (GIS)<br>Nico Van de Weghe -- Department of Geography      | 5    |     | 1   | A:1     | 150   |
| 11 | C003857 Surveying Engineering<br>Alain De Wulf -- Department of Geography                         | 5    |     | 1   | A:2     | 150   |
| 12 | C003858 Social and Economic Geography<br>Valerie De Craene -- Department of Geography             | 5    |     | 1   | A:1     | 140   |
| 13 | C003080 Programming<br>Peter Dawyndt -- Department of Applied Mathematics and Computer Science    | 5    | UKV | 2   | B:1     | 150   |
| 14 | C003790 Spatial Analysis I<br>Tom Storme -- Department of Geography                               | 5    |     | 2   | A:1     | 150   |
| 15 | C003860 Climatology and Meteorology<br>David Dehenaauw -- Department of Geography                 | 5    |     | 2   | A:1     | 150   |
| 16 | C003058 Transport Geography<br>Frank Witlox -- Department of Geography                            | 5    |     | 2   | A:1     | 150   |
| 17 | C003059 Introduction to Mineralogy<br>Stijn Dewaele -- Department of Geology                      | 3    |     | 2   | A:1     | 90    |
| 18 | C001059 Cartography [en, nl]<br>Haosheng Huang -- Department of Geography                         | 5    |     | 2   | A:1     | 150   |
| 19 | C003859 Introduction to Soil Science<br>Rudi Goossens -- Department of Geography                  | 5    |     | 2   | A:2     | 150   |
| 20 | C003622 Remote Sensing<br>Rudi Goossens -- Department of Geography                                | 5    |     | 2   | A:2     | 150   |
| 21 | C001421 Biosphere: Botany<br>Annemieke Verbeken -- Department of Biology                          | 5    |     | 2   | A:2     | 150   |

|    |         |  |    |   |     |     |
|----|---------|--|----|---|-----|-----|
| 22 | H001647 | Sociology<br>Mart Willekens -- Department of Sociology                                 | 4  | 2 | B:2 | 120 |
| 23 | C003060 | Introduction to Petrology<br>Johan De Grave -- Department of Geology                   | 3  | 2 | A:2 | 90  |
| 24 | C003862 | Landscape Science I<br>Veerle Van Eetvelde -- Department of Geography                  | 5  | 2 | A:2 | 150 |
| 25 | C003863 | Topometry<br>Alain De Wulf -- Department of Geography                                  | 4  | 2 | A:2 | 120 |
| 26 | C003864 | Spatial Analysis II<br>Frank Witlox -- Department of Geography                         | 5  | 3 | A:1 | 150 |
| 27 | C003771 | Databases<br>Guy De Tré -- Department of Telecommunications and Information Processing | 6  | 3 | A:1 | 180 |
| 28 | C003624 | Population and Urban Geography<br>Freke Caset -- Department of Geography               | 5  | 3 | A:1 | 150 |
| 29 | C003869 | Regional Geomorphology<br>Stefaan Dondeyne -- Department of Geography                  | 5  | 3 | A:1 | 150 |
| 30 | C001294 | Introduction to Ecology<br>Koen Sabbe -- Department of Biology                         | 4  | 3 | A:2 | 120 |
| 31 | C003865 | Landscape Science II<br>Veerle Van Eetvelde -- Department of Geography                 | 6  | 3 | A:2 | 180 |
| 32 | C003866 | Current Topics in Geography and Geomatics<br>Sil Lanckriet -- Department of Geography  | 5  | 3 | A:2 | 150 |
| 33 | C003154 | Bachelor Dissertation<br>Nico Van de Weghe -- Department of Geography                  | 10 | 3 | A:J | 300 |

## 2 Elective Courses

15 credits

Subscribe to 1 module from the following list. Subject to approval by the faculty.  
Students who have followed the Educational Track, can enter directly into the educational master's programme.

### 2.1 Geography and Geomatics Track

15 credits

Subscribe to 10 credit units from 1 module from the following list.

| Nr | Course  | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1  | C003867 Geo-Programming [en, nl]<br>Haosheng Huang -- Department of Geography | 5    |     | 3   | A:2     | 150   |

#### 2.1.1 Elective Courses of an University of the Flemish Community

10 credits

Subscribe to 10 credit units from the study programmes of the universities of the Flemish Community, distributed over the first standard learning path as follows: 10 credit units in jaar 3. Subject to approval by the faculty.

### 2.2 Educational Track

15 credits

| Nr | Course   | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1  | H002169 Powerful Learning Environments<br>Bram De Wever -- Department of Educational Studies | 6    |     | 3   | A:1     | 180   |
| 2  | H002175 Teaching Methodology: Sciences<br>Katrien Strubbe -- Department of Chemistry         | 6    |     | 3   | A:J     | 180   |
| 3  | H002170 Reference Internship: Sciences<br>Katrien Strubbe -- Department of Chemistry         | 3    |     | 3   | A:J     | 90    |

## 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 2022-2023     | f: annually, from 2023-2024     | i: annually, from 2024-2025     |
| b: tri-annually | d: bi-annually, from 2022-2023  | g: bi-annually, from 2023-2024  | j: bi-annually, from 2024-2025  |
|                 | e: tri-annually, from 2022-2023 | h: tri-annually, from 2023-2024 | k: tri-annually, from 2024-2025 |