

## Groundwater and Mineral Resources Apprenticeship (C003996)

**Course size** *(nominal values; actual values may depend on programme)*

**Credits 6.0**                      **Study time 150 h**

**Course offerings and teaching methods in academic year 2024-2025**

A (semester 1)                      English                      Gent                      work placement

**Lecturers in academic year 2024-2025**

Hermans, Thomas	WE13	lecturer-in-charge
Cnudde, Veerle	WE13	co-lecturer
Dewaele, Stijn	WE13	co-lecturer

**Offered in the following programmes in 2024-2025**

	<b>crdts</b>	<b>offering</b>
<a href="#">Master of Science in Teaching in Science and Technology(main subject Geology)</a>	6	A
<a href="#">Master of Science in Geology</a>	6	A
<a href="#">Master of Science in Geology</a>	6	A
<a href="#">Exchange programme in Geology (master's level)</a>	6	A

**Teaching languages**

English

**Keywords**

apprenticeship, professional context, groundwater, mineral resources

**Position of the course**

The apprenticeship within the major of Groundwater and Mineral Resources aims to offer to the students a professional experience in the fields of groundwater and/or mineral resources, by involving them in a project within a company, an administration, a research institution or an external university in Belgium or abroad.

**Contents**

The three lecturers will offer apprenticeship opportunities according to their expertise and contacts, and follow them up. They will act as facilitators who will help - in dialogue with the students and under supervision of the educational commission - the students in obtaining opportunities for a work experience in industry, administrations, scientific institutions or external universities, in which they will be immersed in the professional practice of groundwater and mineral resources. A tutor at the working place will be appointed. The relevant lecturer will follow-up on the coaching, the quality and the crediting of this work experience. The responsible lecturer will act as the coordinator. The apprenticeship will be concluded by a report, which has to be presented (ppt presentation) at the end of the apprenticeship.

**Initial competences**

advanced knowledge about groundwater/mineral resources

**Final competences**

- 1 The student knows how to apply his field of expertise in a professional context.
- 2 The student has practical experience concerning groundwater and mineral resources.
- 3 Oral and written communication of results.

**Conditions for credit contract**

Access to this course unit via a credit contract is determined after successful competences assessment

**Conditions for exam contract**

This course unit cannot be taken via an exam contract

**Teaching methods**

Work placement

### **Extra information on the teaching methods**

The apprenticeship will be performed during 4 weeks (weeks 9-12), during which 4 days per week will be spent at the company. During this period, the assignments given by the company must be performed, the report must be elaborated and the presentation must be prepared. At the end of each week, the student reports back to the relevant lecturer. At the end of the apprenticeship, a powerpoint presentation of the report will be delivered.

**Part of the teaching activities may be organized online.**

### **Study material**

Type: Internship

Name: Groundwater and mineral resources apprenticeship

Indicative price: € 200

Optional: yes

Additional information: The estimated cost is related to the traveling costs to the work place and depends on the internship location and residence of the student.

### **References**

### **Course content-related study coaching**

### **Assessment moments**

continuous assessment

### **Examination methods in case of periodic assessment during the first examination period**

### **Examination methods in case of periodic assessment during the second examination period**

### **Examination methods in case of permanent assessment**

Professional practice, Oral assessment, Assignment

### **Possibilities of retake in case of permanent assessment**

examination during the second examination period is possible

### **Calculation of the examination mark**

Permanent evaluation: the final score is attributed by the concerned lecturer and the tutor at the working place. The distribution over the different forms of evaluation is as follows: job performance assessment (33.33%), report (33.33%), presentation (33.33%). The job performance is assessed solely by the tutor at the working place. The report and the presentation are both evaluated by the tutor at the working place and by the concerned lecturer; the average of both of their scores gives the obtained result on each of both parts. In case that less than 10/20 is obtained for at least one of the three parts, the student cannot succeed for the course. If the final score would be 10 or more out of 20, this will be reduced to the highest unsuccessful score (i.e. 9/20).