

## Exploring, Evaluating and Exploiting Opportunities (Entrepreneurship) in Chemistry (C003981)

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

**Credits 3.0**

**Study time 90 h**

### Course offerings and teaching methods in academic year 2025-2026

A (Year)

Dutch

Gent

seminar

lecture

### Lecturers in academic year 2025-2026

Clarysse, Bart

EB23

lecturer-in-charge

Van Hecke, Kristof

WE06

co-lecturer

### Offered in the following programmes in 2025-2026

[Bachelor of Science in Chemistry](#)

**crdts**

**offering**

3

A

### Teaching languages

Dutch

### Keywords

Entrepreneurship, design, communication

### Position of the course

Exploring, Evaluating and Exploiting Opportunities in Chemistry do not require specific skills or knowledge to enroll. It aims at skill development in relation to science communication, opportunity search, development of business cases, team cooperation. Moreover, students are made familiar to design thinking. Students also explore in the taught component how role models exploit opportunities within the broad domain of chemistry. Students are expected to develop a chemistry-related business such as a commercial opportunity or a case with a societal impact.

### Contents

#### *Introduction*

- project description
- video based examples of other projects
- team composition

#### *Workshop 1: Idea presentation*

- problem and solution presentation
- feedback and discussion

#### *In-between Coaching*

- individual team feedback and coaching in preparation of workshop 2

#### *Workshop 2: Feasibility study*

- persona development
- data presentation (moodboard journey)
- feedback

#### *In-between Coaching*

- individual team feedback and coaching in preparation of workshop 3

#### *Workshop 3: prototyping*

- prototype presentation
- visualisation of a prototype

-presentation of user feedback

#### *In-between Coaching*

- individual team feedback and coaching in preparation of workshop 4

#### *Workshop 4: Business Case*

-implementation plan

-milestone feedback

#### *Wrap up*

-discussion of the journey

### **Initial competences**

None

### **Final competences**

- 1 Student can translate detect societal or commercial problems in chemistry and transform them into opportunities.
- 2 Student can apply design techniques to communicate a value proposition.
- 3 Student can present a business case with commercial or societal value.
- 4 Student can use market research techniques to validate his/her ideas.

### **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**

Seminar, Lecture

### **Study material**

Type: Project

Name: Entrepreneurship in Chemistry

Indicative price: Free or paid by faculty

Optional: no

### **References**

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

### **Assessment moments**

end-of-term and continuous assessment

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

Oral assessment, Assignment

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

Oral assessment, Assignment

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

Participation

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

examination during the second examination period is not possible

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

Participation in workshops and progress: 30%

Written project: 50%

Presentation: 20%