GHENT UNIVERSITY

Course Specifications

Valid as from the academic year 2024-2025

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 2026-2027

A (Year)	Dutch	Gent	seminar
			lecture

Lecturers in academic year 2026-2027

Clarysse, Bart	EB23	lecturer-in-charge
Van Hecke, Kristof	WE06	co-lecturer

Offered in the following programmes in 2026-2027	**crdts**	**offering**
Bachelor of Science in Chemistry	3	A

Teaching languages

Dutch

Keywords

Entrepreneurship, design, communication

Position of the course

Exploring, Evaluating and Exploiting Opportunities in Chemistry doe 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 The student can translate detect societal or commercial problems in chemistry and transform them into opportunities.
2 The student can apply design techniques to communicate a value proposition.
3 The student can present a business case with commercial or societal value.
4 The student can use market research techniques to validate their 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%