

Course Specifications

Valid as from the academic year 2024-2025

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

(nominal values; actual values may depend on programme)					
Study time 90 h					
Course offerings and teaching methods in academic year 2025-2026					
A (Year) Dutch Gent			seminar		
		lecture			
ear 2025-2026					
		EB23	3 lecturer-in-charge		
		WE06	co-lecturer		
programmes in 2025-2026			crdts	offering	
in Chemistry			3	А	
	(nominal values; actual valu Study time 9 aching methods in academic Dutch ear 2025-2026 programmes in 2025-2026 e in Chemistry	(nominal values; actual values may depend on prog Study time 90 h aching methods in academic year 2025-2026 Dutch Gent ear 2025-2026 programmes in 2025-2026 e in Chemistry	(nominal values; actual values may depend on programme) Study time 90 h aching methods in academic year 2025-2026 Dutch Gent se le ear 2025-2026 EB23 WE06 programmes in 2025-2026 e in Chemistry	(nominal values; actual values may depend on programme) Study time 90 h aching methods in academic year 2025-2026 Dutch Gent seminar lecture ear 2025-2026 EB23 lecturer-in-ch WE06 co-lecturer programmes in 2025-2026 crdts e in Chemistry 3	

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 chemistryrelated 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 In-between Coaching - individual team feedback and coaching in preparation of workshop 4

Workshop 4: Business Case -implementation plan -milestone feedback

-discussion of the journey

Initial competences

Wrap up

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%