GHENT UNIVERSITY

Course Specifications

Valid in the academic year 2024-2025

Integrated Bachelor Course (J000512)

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

Credits 6.0 **Study time 180 h**

Course offerings and teaching methods in academic year 2024-2025

A (Year)	Dutch	Gent	group work
			lecture
			independent work
			practical
			seminar

Lecturers in academic year 2024-2025

Wynendaele, Evelien	FWO2	lecturer-in-charge
De Spiegeleer, Bart	FWO2	co-lecturer

Offered in the following programmes in 2024-2025	**crdts**	**offering**
Bachelor of Science in Pharmaceutical Sciences	6	A

Teaching languages

Dutch

Keywords

- Pharmaceutical scientific skills
- Integrated practical exercises (integration of courses of the Bachelor years)
- Collaborative learning

Position of the course

The aim of this course is to work out assignments independently and to solve problems with respect to the production road of the medicine, from raw material to finished pharmaceutical product including the way the drug will follow in the human body. It is intended that students, after completing the mentioned course, will be able to look up scientific publications in diverse databases and to read critically and interpret these publications. They should be able to set up and partially carry out a protocol. The content of this course (FaBaP) will integrate the various courses of the bachelor years. From an educational point of view, there will be a combination of several educational techniques: collaborative learning, problem-based learning and task-based learning. Students will have to work out a given assignment/problem theoretically and practically in little groups, under supervision of a tutor or an expert. Complementary, an online course will be developed: via the e-learning environment Ufora, all necessary documents will be presented including questions and problems to be solved individually during the second semester. Feedback sessions and group discussions will also be organised with the tutor and the responsible teachers of the course.

Contents

Interdisciplinary assignments and problems wherein the diverse courses and themes of the bachelor years appear and where to students, in group and individually, will have to find practical and theoretical answers.

Initial competences

This course builds on certain final competences of the courses of the first and second bachelor years.

Final competences

1 Being able to apply the acquired basic knowledge of the bachelor years in an integrated way
2 To solve pharmaceutical problems, in group and individually.
3 To scientifically communicate properly (oral, poster and in writing) about interdisciplinary pharmaceutical problems.
4 To acquire (new) knowledge in group and individually.
5 To plan the work in group and individually and to stick to the scheme.
6 To write protocols and discuss and interpret the results in a report.
7 To search for scientific articles and other relevant information in various databases to set up a research question and related investigation plan.
8 To use different laboratory techniques.
9 To solve questions and problems concerning the different courses of the bachelor years.
10 Knowledge of quality in pharmaceutical context.
11 Adopting an attitude of lifelong learning.

Conditions for credit contract

This course unit cannot be taken via a credit contract

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Group work, Seminar, Lecture, Practical, Independent work

Study material

Type: Handbook

Name: European Pharmacopoeia
Indicative price: Free or paid by faculty
Optional: no
Online Available : Yes

Type: Slides

Name: Slides
Indicative price: Free or paid by faculty
Optional: no
Available on Ufora : Yes

References

Different courses of the bachelor years.

Course content-related study coaching

The possibility exists to communicate with the tutors and responsible teachers of the course during group discussions and via the mentioned feedback sessions about technical, organizational but also content problems. During a feedback conversation, the tutor will notify the students about the quality of their work even before the real examination.

Assessment moments

end-of-term and continuous assessment

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

Written assessment with multiple-choice questions, Presentation, Assignment

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

Written assessment with multiple-choice questions, Assignment

Examination methods in case of permanent assessment

Participation, Presentation, Peer and/or self assessment, Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible in modified form

Extra information on the examination methods

- PE1: The written examination consists of questions and problems as presented via the e-learning environment, combined with questions concerning the practical exercise. The poster presentation evaluates the group work. The oral presentation concerns a pharmaceutical research question.

- NPE2: examination in an adapted way means an individual and group task.

Transfer of examination results to the second examination period from the same academic year

- If a student passes the evaluation part continuous assessment in the first examination period, he/she must not repeat this part during the second examination period.
- If a student passes the evaluation part end-of-term assessment, he/she must not repeat this part during the second examination period.
- In case a student did not succeed for the whole course unit, he/she can however make use of the full second exam opportunity; considering the last obtained marks will count in the calculation of the final examination mark.

Calculation of the examination mark

The final mark is calculated using the following weighing factors:

- 35% of the total score for the practical work (participation, planning and performance)
- 50% of the total score for the on-line questions and problems (multiple choice examination)
- 15% of the total score for the report, poster and oral presentation