

Pharmaceutical Sciences: an Integrated Approach (J000503)

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

Credits 3.0 **Study time** 90 h **Contact hrs** 30.0h

Course offerings and teaching methods in academic year 2022-2023

A (Year)	Dutch	Gent	microteaching	3.75h
			seminar	5.0h
			lecture	13.75h
			group work	7.5h

Lecturers in academic year 2022-2023

Raemdonck, Koen	FW01	lecturer-in-charge
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Offered in the following programmes in 2022-2023

Bachelor of Science in Pharmaceutical Sciences	crdts	offering
	3	A

Teaching languages

Dutch

Keywords

Interdisciplinary literature research, written and oral report, problem solving skills, integrated thinking, group work, knowledge integration

Position of the course

This course is part of the learning line on Research and Innovation. An important aim within the Bachelor of Pharmaceutical Sciences is to stimulate students to integrate knowledge and competences from other courses. The course 'Pharmaceutical Sciences: an Integrated Approach' aims to convince students of the importance of integrated thinking in the multidisciplinary domain of pharmaceutical sciences. More in particular, this course aims to motivate students to adopt a more active learning attitude to allow them to apply the already acquired knowledge and insights of the first two Bachelor years on interdisciplinary pharmaceutical problems.

Contents

The student is familiarized with the process of integrated thinking and how to apply this to interdisciplinary pharmaceutical problems. The student (individually and in group) will work on various interdisciplinary assignments, cases and scientific literature, both from fundamental and applied pharmaceutical sciences.

Initial competences

You can download the list of prerequisites on oasis.ugent.be?cursuscode=J000503&taal=en.

This course builds on specific final competences obtained in courses from the first Bachelor in Pharmaceutical Sciences. Throughout this course, gained knowledge and skills from second Bachelor courses, which are followed simultaneously, will be integrated.

Final competences

- 1 To gain insight in the importance of an integrated approach to solve interdisciplinary pharmaceutical problems
- 2 To find relevant scientific literature to solve an interdisciplinary pharmaceutical problem in an integrated manner
- 3 To summarize scientific literature in a intelligible written report
- 4 To present and communicate scientific information in small groups with use of a

(Approved)

correct scientific language

5 To gain insight in the mutual relation between the different courses of the first two Bachelor years

6 To apply the acquired basic knowledge, insights and skills of the first two Bachelor years in an integrated manner

7 To apply an integrated approach on interdisciplinary pharmaceutical problems

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

Group work, Microteaching, Seminar, Lecture

Extra information on the teaching methods

Hoorcollege: 13.75u

Microteaching: 3.75u

Groepswerk: 7.5u

Werkcollege: 5u

Group work: the students work in groups on a case with interdisciplinary pharmaceutical questions/problems

Microteaching: the students present the answers to the question raised to fellow students during a discussion session

Learning materials and price

The slides of theoretical classes and possible additional information will be made available free of charge through the electronic platform.

References

Relevant references will be made available through the electronic platform.

Course content-related study coaching

The responsible lecturer can be contacted at all times, preferably after class, through email or by appointment.

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

Report, Participation, Peer 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

Component E1: assignment/report (individual). The students work on a literature assignment.

Component E2: assignment/report/peer-evaluation (group). The students participate in a groupwork + presentation. The lecturer maintains final responsibility to apply an individual evaluation for the groupwork (versus same mark for each group member). The responsible lecturer likewise maintains the final responsibility to deviate from the peer assessment scores or to disregard these scores when calculating the final score per student for the group work.

Communication about the assignments is provided via an introductory lecture and via Ufora. The different parts of the assignments have to be submitted on Ufora by the students before the deadline for evaluation. In case no valid reason and/or timely notification for exceeding this deadline is provided, the late submission of the assignment will result in a 1 point deduction from the obtained score by the student for the respective assignment per day the deadline is exceeded. If 5 days after the deadline still no assignment has been submitted, the student will be marked as 'absent' for this component.

Component E3: Participation. Participation to previously specified lectures, to which an specific assignment is coupled, is mandatory. In case a student cannot attend a mandatory lecture due to a valid reason, the lecturer needs to be notified in a timely manner. In case no valid reason can be given, the student will be marked as 'absent' for this component.

Calculation of the examination mark

The specific ratio per component will be communicated via Ufora after the start of the academic year.

Students who do not participate in the evaluation of E1 and/or E2 can no longer pass the total course. Final scores, if higher than 7 out of 20, will be reduced to the highest non-deliberative quotation (7/20).

When the student scores less than 10 out of 20 for at least one of the components E1 and/or E2, he/she can no longer pass the total course. If the total score is a mark of 10 or more out of 20, then this is reduced to the highest failing mark (9/20).

Calculation of the examination mark during the second examination period: transfer of marks for a passed component from the first to the second examination period is possible. Failed components are to be retaken in adjusted format during the second examination period.