GHENT UNIVERSITY

Course Specifications

Valid as from the academic year 2024-2025

Intellectual Property and Valorization (I001967)

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 2024-2025

A (semester 2)	English	Gent	group work independent work lecture

Lecturers in academic year 2024-2025

Sas, Benedikt	LA23	lecturer-in-charge

Offered in the following programmes in 2024-2025	**crdts**	**offering**
Master of Science in Bioinformatics(main subject Bioscience Engineering)	3	A
Master of Science in Biology	3	A
Master of Science in Bioscience Engineering: Cell and Gene Biotechnology	3	A
Master of Science in Bioscience Engineering: Chemistry and Bioprocess Technology	3	A
Master of Science in Bioscience Engineering: Environmental Technology	3	A
Master of Science in Bioscience Engineering: Food Science and Nutrition	3	A
Exchange Programme in Bioscience Engineering: Agricultural Sciences (master's level)	3	A
Exchange Programme in Bioscience Engineering: Cell and Gene Biotechnology (master's level)	3	A
Exchange Programme in Bioscience Engineering: Chemistry and Bioprocess Technology (master's level)	3	A
Exchange Programme in Bioscience Engineering: Environmental Technology (master's level)	3	A
Exchange Programme in Bioscience Engineering: Food Science and Nutrition (master's level)	3	A
Exchange Programme in Bioscience Engineering: Land and Forest management (master's level)	3	A
Postgraduate Programme in Innovation and Entrepreneurship in Engineering – Advanced	3	A
Postgraduate Programme in Innovation and Entrepreneurship in Engineering – Foundations	3	A

Teaching languages

English

Keywords

Innovation, Research & Development (R&D), Intellectual Property (IP)
Patents, copyrights, trademarks, trade secrets, designs and other methods to protect know-how.
Valuation of early-stage technology and valorization
food sciences and other life sciences

Position of the course

Innovation and Intellectual Property are of crucial importance to the the current economy, industry and the sustainability and growth of enterprises.
This introductory course will cover the basic principles of Intellectual Property, which will provide the students a preliminary insight on how industry approaches innovation and Intellectual Property.

Contents

An overview on innovation and R&D will be given in order to situate the important

aspect of IP in the total process.
This course will provide a preliminary answer to questions such as:
1 What is IP?
2 What is Freedom to Operate?
3 How do I develop and identify new IP?
4 How can I protect new IP?
5 What is the value of new IP?

Initial competences

A dynamic and creative researcher who wants to know how novel his/her ideas actually are and if indeed novel, how these ideas/technology/products can be protected.
Young scientists who are considering a career in industry or scientists who want to protect and valorize their new inventions.

Final competences

1 To have a good understanding of the different types of IP.
2 To have a basic understanding about how industry manages innovation, research and development, and more in particular Intellectual Property.
3 To be able to identify new IP possibilities is a specific scientific domain.
4 To be able to identify and formulate new IP.
5 To have a basic understanding about how new IP can be protected.
6 To be able to make a preliminary value assessment of new IP and to estimate a possible royalty rate in case of licensing.

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, Lecture, Independent work

Extra information on the teaching methods

theory: lectures
guided studies: practical exercises/tools regarding IP
collaborative paper: to prepare a case in a small team (app. 10 pages)

Study material

None

References

See course notes and book.

Course content-related study coaching

Students can make an appointment via e-mail for additional tutoring on the subject or for advice regarding the collaborative paper.

Assessment moments

end-of-term assessment

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

Oral assessment, Written assessment with multiple-choice questions, Assignment

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

Oral assessment, Written assessment with multiple-choice questions, Assignment

Examination methods in case of permanent assessment

Possibilities of retake in case of permanent assessment

not applicable

Calculation of the examination mark

Theory: scoring on 60% of the total points
Collaborative paper: scoring on 40% of the total points