

Detailed syllabus for the course:
Intellectual property

Academic year: 2025/2026

Study program: Graduate program “Biotechnology for the Life Sciences”

Course code: BLS104

ECTS credits: 3

Language the course is taught in: English

Teaching hours: 25 L (lectures) + 5 S (seminars)

Prerequisite courses: none

Course leader and contact information:

Assoc Prof. Petra Karanikić

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Consultation hours: During the class rotation, consultations will be held daily before and/or after classes. Consultations will be held in the teacher's office, and appointments can be made via email and telephone.

Teaching staff (associates, assistants, technician/laboratory assistant):

Assoc Prof. Petra Karanikić, 25 L + 5 S

Required reading:

1. WIPO Publication (2008), WIPO Intellectual Property Handbook: Policy, Law and Use
2. Materials provided to students during lectures
3. Lecture presentations

Supplementary reading (optional):

1. Scientific and professional publications available through University Internet Access

Course description (summary and course objectives):

Aim: The aim of the course is to acquire and apply basic knowledge about the protection and management of intellectual property in both scientific and business environments, with a special emphasis on the field of biotechnology.

Summary: The course deals with the basics of protection and management of intellectual property, various forms of protection of intellectual property rights (formal and informal) are studied. Ways of applying the protection and management of intellectual property in scientific research and organisations are discussed. Different ways of commercialising intellectual property are presented. The role and significance of the protection of intellectual property in the field of biotechnology and pharmacy is specially addressed.

Learning outcomes:

1. To understand the importance of protecting and managing intellectual property.
2. To distinguish between individual forms and procedures for protecting intellectual property.
3. To understand the importance of intellectual property in the scientific and business environment.
4. To understand and define the appropriate way to commercialise different forms of intellectual property.
5. To understand the importance of managing and protecting intellectual property in the biotechnology and pharmaceutical industries.

Detailed course content (topics/titles of lectures, seminars and practicals):*A. Lectures*

- L1. (5 hours) Introduction to intellectual property (the concept of intellectual property; historical development of intellectual property; idea - invention - innovation; formal and informal forms of intellectual property)
- L2. (4 hours) Forms of intellectual property and their protection (copyright, patent, trademark)
- L3. (4 hours) Forms of intellectual property and their protection (geographical indications, informal forms of intellectual property)
- L4. (2 hours) Intellectual property management in research and organisations
- L5. (2 hours) Intellectual property management in companies
- L6. (3 hours) Valuation and commercialisation of intellectual property
- L7. (3 hours) Intellectual property in biotechnology and pharmaceutical industry

B. Seminars:

- S1. (5 hours) Presentation of seminar papers prepared by the students

Obligations, method of monitoring and evaluating students:

Classes are organized through lectures and seminars. Attendance at lectures and seminars is mandatory and active participation of students is expected. Attendance records are kept by the student's signature during class.

Students are required to prepare and present a seminar paper. Students will be formed into groups to prepare and present a seminar paper based on a given topic (topics will be provided to students at the beginning of the lecture). After the lecture, students will present their seminar papers. The oral presentation should last 10 minutes, followed by questions related to the

presentation and the given topic. Regardless of the date of the oral presentation, students must submit their seminar paper in writing (electronically) before their oral presentation. Successfully preparing and presenting a seminar paper is a condition for taking the final exam.

If a student is absent from a lecture, whether justified or unjustified, for more than 30% of the time, they will not be able to take the final exam.

The total percentage of student success during continuous teaching (lectures and seminars) is 70%, and the final exam is 30% of the grade. The total grade for the course includes class attendance, seminar preparation and presentation, and the final exam (written exam). The parts of the final course grade are listed in the table.

Activity	Available marks (max.)
Lectures	30
Seminars	40
- Written part	20
- Oral presentation	20
Final exam (written)	30
Total available marks	100

Exam deadlines:

The 1st exam sitting (written exam) will be held at the end of the course.

The 2nd exam sitting (written exam) will be held in agreement with the students.

Grading (according to the Regulations on Studies of the University of Rijeka):

Students can earn a maximum of 70% of grade points during continuous teaching, and 30% at the final exam. Students who have achieved:

- from 0% to 49% of the grade points that could have been acquired through continuous evaluation are not entitled to take the exam and must re-enrol in the same course;
- 50% and more of the grade points that could have been acquired through continuous evaluation, while meeting additional conditions prescribed by the course curriculum, can take the final exam.

The exam threshold for the final exam cannot be less than 50% for the successful completion of the exam.

The following final grades are awarded based on the total number of grade points achieved:

Percentage score	ECTS grade	Numerical grade
90% to 100%	A	Excellent (5)
75% to 89.9%	B	Very good (4)
60% to 74.9%	C	Good (3)
50% to 59.9%	D	Satisfactory (2)
0% to 49.9%	F	Unsatisfactory (1)

The final grade is the sum of the points achieved during classes and the points achieved on the final exam, and the passing grades are excellent (5), very good (4), good (3) and satisfactory (2).

Teaching schedule:

Date	Groupe	Time	Room	Teaching	Teacher
10/11/2025	All	12.00 - 16.00	O-030	P1	Izv. prof. dr. sc. Petra Karanikić
11/11/2025	All	12.00 - 15.00	O-339	P2	Izv. prof. dr. sc. Petra Karanikić
12/11/2025	All	11.00 – 15.00	O-339	P3	Izv. prof. dr. sc. Petra Karanikić
13/11/2025	All	16.00 - 19.00	O-030	P4, P5	Izv. prof. dr. sc. Petra Karanikić
14/11/2025	All	10.00 - 15.00	O-339	P5, P6	Izv. prof. dr. sc. Petra Karanikić
17/11/2025	All	12.00 - 15.00	O-030	P7	Izv. prof. dr. sc. Petra Karanikić
19/11/2025	All	10.00 - 14.00	O-339	S1	Izv. prof. dr. sc. Petra Karanikić
20/11/2025	All	10.00 - 13.00	O-339	S1	Izv. prof. dr. sc. Petra Karanikić
21/11/2025	All	10.00 - 11.30	O-339	Final exam	Izv. prof. dr. sc. Petra Karanikić

Further information:**Academic Integrity**

Students are required to respect the principles of academic integrity and are referred to the University of Rijeka documents: Code of Ethics of the University of Rijeka and Code of Ethics for Students.

All students are asked to respond to the questionnaire on evaluation of teaching so that, based on assessments and suggestions, teaching in this course can be improved. The evaluation of teaching through the ISVU system is carried out using the "Studomat" application on a form defined at the University of Rijeka level, and the results are anonymous. More information about all aspects of this process can be found in the University of Rijeka Study Quality Manual.