



Detailed curriculum for the course:  
**Intellectual Property**

<b>Academic year:</b>	2020/2021
<b>Program:</b>	Biotechnology for the Life Sciences (BLS104) Biotehnologija u medicini (EBIL152) Biotehnologija i istraživanje lijekova (EBIL152) Medicinska kemija (EBIL152)
<b>Course code:</b>	BLS104 Intellectual Property EBIL152 Intelektualno vlasništvo
<b>ECTS points:</b>	3
<b>Language of the course:</b>	English
<b>Teaching hours:</b>	30 hours (20 lectures, 10 seminars) Online: 11 hours (36.7%)

**Pre-requisites for enrolment:** No specific courses required.

**Course leader and contact information:**

Title and name: Dr. Petra Karanikic, Assistant Professor  
Address: Radmile Matejčić 2 (8<sup>th</sup> floor; room 824)  
E-mail: [pkaranikic@biotech.uniri.hr](mailto:pkaranikic@biotech.uniri.hr)  
Consultation hours: Consultations will be held during the course dates (before and/or after the class). Consultations will be held in the professor's office, and appointments will be made by e-mail and telephone.

**Course dates:** 18/01/2021 – 29/01/2021

**Teaching staff:** Dr. Petra Karanikic, Assistant Professor



### **Required literature:**

WIPO Publication (2008), WIPO Intellectual Property Handbook: Policy, Law and Use  
Materials delivered to students during lectures  
Lecture presentations

### **Course description:**

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

The course deals with the basics of protection and management of intellectual property, studies various forms of protection of intellectual property rights (formal and informal). The ways of application of protection and management of intellectual property in scientific research and organizations are discussed. Different ways of commercializing intellectual property are presented. The role and importance of intellectual property protection in the field of biotechnology are particularly discussed.

### **Learning outcomes:**

1. Understand the importance of protecting and managing intellectual property.
2. Distinguish individual forms and procedures of intellectual property protection.
3. Understand the importance of intellectual property in the scientific and business environment.
4. Understand and define the appropriate way to commercialize various forms of intellectual property.
5. Understand the importance of managing and protecting intellectual property in the field of biotechnology.

### **Detailed course content:**

- L1. (3 hours) Introduction to intellectual property (concept of intellectual property; historical development of intellectual property; idea - invention - innovation; formal and informal forms of intellectual property)
  - L2. (3.5 hours) Forms of intellectual property and their protection (copyright, patent, trademark)
  - L3. (3.5 hours) Forms of intellectual property and their protection (geographical indications, informal forms of intellectual property)
  - L4. (2 hours) Importance and management of intellectual property in research and organizations
  - L5. (2 hours) Importance and management of intellectual property in organizations
  - L6. (3 hours) Commercialization of intellectual property
  - L7. (3 hours) Intellectual property in biotechnology
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- S1. (4 hours) Presentation of seminar papers prepared by students
  - S2. (3 hours) Presentation of seminar papers prepared by students
  - S3. (3 hours) Presentation of seminar papers prepared by students



### Requirements, methods of assessment and evaluation:

Attendance of classes and attendance at seminars in which the active participation of students is expected is mandatory. Each student is required to prepare and present a seminar paper according to the given topic (topics will be delivered to students at the beginning of the lecture). After the lecture, individual presentations of students' seminar papers follow.

Oral presentation should last approximately 15-30 minutes.

The grade from the course includes class attendance, preparation and presentation of seminars and the final exam (written exam).

The total percentage of student success during lectures is 70%, and the final exam 30% of the grade.

For all activities during classes (lectures, seminars, final exam), the student should accomplish minimum 50% points as shown in the table:

Activity	Score points (min.)	Score points (max.)
<b>Lectures</b>	<b>20</b>	<b>40</b>
<b>Seminars</b>	<b>15</b>	<b>30</b>
- <b>Written part</b>	<b>7,5</b>	<b>15</b>
- <b>Oral presentation</b>	<b>7,5</b>	<b>15</b>
<b>Final exam (written)</b>	<b>15</b>	<b>30</b>
<b>Total evaluation (score) points</b>	<b>50</b>	<b>100</b>

### Examination deadlines:

The final exam will be held on January 29<sup>th</sup> 2021. The exact time and room will be communicated with students.

For those who need to retake the test, the second test sitting will be held in agreement with the students.

Additional test sittings (maximum two more) will be by arrangement between the students and teacher.

### Qualification and grades (according to *Pravilniku o studijima Sveučilišta u Rijeci*):

Students can gain a maximum of 70% of grade points during continuous classes, and 30% at the final exam. Students who during the continuous part of the course achieved:

- From 0 to 34.9% of grade points cannot take the final exam
- More than 35% of the grade points can take the final exam
- The exam threshold at the final exam cannot be less than 50% of the successfully passed exam.

#### *Final grades*

The following grades will be awarded based on the final score:



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 based on the sum of percentage points accumulated during the course and on the final exam. Passing grades are excellent (5), very good (4), good (3) and satisfactory (2).

#### Schedule of classes:

Date	Group	Time	Room or platform	Activity	Teacher
18/01/2020	All	8:00-11:00	O-269	P1	Petra Karanikic
19/01/2021	All	8:00-11:30	O-269	P2	Petra Karanikic
20/01/2021	All	8:00-11:30	O-269	P3	Petra Karanikic
21/01/2021	All	8:00-12:00	O-269	P4, P5	Petra Karanikic
22/01/2021	All	8:00-11:00	O-269	P6	Petra Karanikic
25/01/2021	All	9:00-13:00	MS Teams	S1	Petra Karanikic
26/01/2021	All	9:00-12:00	MS Teams	S2	Petra Karanikic
27/01/2021	All	9:00-12:00	MS Teams	S3	Petra Karanikic
28/01/2021	All	8:00-11:00	O-269	P7	Petra Karanikic
29/01/2021	All		O-269	Final exam	Petra Karanikic



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### **Additional information:**

Attendance at lectures and seminars are mandatory. In case of justified longer absence, it is necessary to inform the professor, explain the reason for absence and, if necessary, attach appropriate evidence.

Students are required to prepare and present a seminar paper.

Regardless of the date of the oral presentation, students must submit their seminar in writing form (electronically) before its oral presentation, while the prepared and presented seminar paper is a mandatory condition for taking the final written exam.

### **Academic integrity**

Students are required to respect the principles of academic integrity, and refer to the documents: *Ethical rules of the University of Rijeka* and *Ethical rules for students*.