



Sveučilište u Rijeci
University of Rijeka



Syllabus for the obligatory course:
Journal club 1

Academic year: 2021/2022

Program: Graduate program Biotechnology for the Life Sciences

Course code: BLS102

ECTS points: 3

Language of the course: English

Teaching hours: 30 hours (6 lectures + 24 seminars)

Prerequisite for enrolment: basic knowledge in immunology and neurobiology

Course leader and contact information:

Title and name: Associate Professor Ivana Munitić

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Time period: November 2021 - May 2022

Teachers:

Associate Professor Ivana Munitić (6L)

Mag. Nikolina Prtenjaca (3S)

Mag. Josip Peradinović (3S)

Other PhD students, postdocs & mentors (to be determined)- 18S

Literature: Recently published original scientific papers.

Course objectives:

Learning outcomes:

By the end of the course, students will be able to:

- critically evaluate original scientific articles and assess the originality and quality of research



- understand the structure of the original scientific research article
- adopt the skill of presenting scientific results
- adopt the skill of searching literature
- acquire the skill of interpreting, arguing and synthesizing scientific results
- suggest ways to solve the experimental question using a scientific method
- adopt basic topics, methods and appropriate scientific terminology of research groups of the Department of Biotechnology in order to be able to choose the area in which they will write a thesis

General competences gained on the course:

A1, A2, A3, A5, A7, B1, B3, B4; C1, C2, C3, C4.

Detailed course content:

Lectures:

P1. Introduction into critical reading of original scientific paper. Structure of scientific articles. (2h)

P2. Peer review. (2h)

P3. Exemplary journal club. (2h)

Seminars:

S1-S8 Journal clubs (3h each)

Requirements, methods of assessment and evaluation:

Students are required to attend and actively participate in lectures and seminars.

Qualification and grades (according to Pravilnik o studijima Sveučilišta u Rijeci):

Assessment during the course (70%), based on the average mark for all individual journal clubs.

Final exam - 30 %. The final exam will be written and/or oral, depending on the feasibility of holding live exams. Optional: if the teachers deem it feasible to grade students during journal clubs, there will be no final exam.

Eligibility for final exam:

- Students scoring between 0 and 34.9% will not be allowed to approach the final exam
- Students scoring between 35% and 70% will be allowed to approach the final exam

The final exam is taken in writing.



Examination deadlines:

The final exam will be in May 2022 (if deemed necessary by the teachers).

Final grades

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

Percentage score	ECTS grade	Numerical grade
90% do 100%	A	Excellent (5)
75% do 89,9%	B	Very good (4)
60% do 74,9%	C	Good (3)
50% do 59,9%	D	Satisfactory (2)
0% do 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).

To complete the course students must attain a passing mark for the entire course (50% or higher) as well as achieving at least 50% at the final exam.

Additional information:

Academic integrity

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

Schedule of classes:

Date	Class type	Topic	Hours	Group	Teacher	Time and place
19.11.2021.	L1	Introduction into critical reading of original scientific paper. Structure of scientific articles.	2	all	Assoc. Prof. Ivana Munitić	10-12
3.12.2021.	L2	Peer Review; Intro into antibodies for exemplary JC	2	all	Assoc. Prof. Ivana Munitić	10-12



17.12.2021.	L3	Exemplary JC (topic: immunology)	2	all	Assoc. Prof. Ivana Munitić	10-12
14.1.2022.	S1	JC: Neurodegeneration paper 1	3	all	Assoc. Prof. Ivana Munitić Mag. Nikolina Prtenjača	10-12.15
28.1.2022.	S2	JC: Neurodegeneration paper 2	3	all	Assoc. Prof. Ivana Munitić Mag. Josip Peradinović	TBD
18.2.2022	S3	JC (Apprenticeship)	2	all		10-12.15
4.3.2022.	S4	JC (Apprenticeship)	2	all		10-12.15
18.3.2022.	S5	JC (Apprenticeship)	2	all		10-12.15
1.4.2022.	S6	JC (Apprenticeship)	2	all		10-12.15
22.4.2022.	S7	JC (Apprenticeship)	2	all		10-12.15
6.5.2022.	S8	JC (Apprenticeship)	2	all		10-12.15
TBD		Final exam -if necessary	2	all	Assoc. Prof. Ivana Munitić	10-12.15