Medicinski fakultet u Rijeci

IZVEDBENI NASTAVNI PLAN
2024/2025

Za kolegij

Scientific Integrity in Biomedical Research

Studij:	**Medical Studies in English (R)** (izborni) Sveučilišni integrirani prijediplomski i diplomski studij
Katedra:	**Katedra za bioinformatiku i razvoj djelatnika i studenata**
Nositelj kolegija:	**izv. prof. dr. sc. Baždarić Ksenija, dipl. psiholog**
Godina studija:	**2**
ECTS:	**1.5**
Stimulativni ECTS:	**0 (0.00%)**
Strani jezik:	**Mogućnost izvođenja na stranom jeziku**

Podaci o kolegiju:

The aim of the course *Scientific Integrity in Biomedical Research* is to introduce students to the principles of scientific integrity in biomedical research, explain the importance of complying with these principles and the identification of scientific misconduct in biomedicine.

Popis obvezne ispitne literature:

1. ALLEA. The European Code of Conduct for Research Integrity . Avaliable at: https://allea.org/code-of-conduct/

Popis dopunske literature:

1. Baždarić K, Bilić-Zulle L, Brumini G, Petrovečki M. Prevalence of Plagiarism in Recent Submissions to the Croatian Medical Journal. Sci Eng Ethics. 2012; 18 (2): 223-9. DOI:10.1007/s11948-011-9347-2.
2. Bilić-Zulle L. Znanstvena čestitost – temelj postojanja i razvoja znanosti. Biochemia Medica 2007;17(2):143-50. Dostupno na: http://www.biochemia-medica.com/content/znanstvena-%C4%8Destitost-%E2%80%93-temelj-postojanja-i-razvoja-znanosti

Nastavni plan:

Seminari popis (s naslovima i pojašnjenjem):

Seminar 1: Introduction to Scientific Integrity in Biomedical Research

Describe the principles of good research practice in biomedical research and describe the scientific misconduct.

Seminar 2: Detection of Scientific Misconduct

Describe detection and prevention of scientific misconduct (fabrication, falsification, plagiarism)

Seminar 3: Mentorship

Describe the mentorship processanylze various types of mentoring and the process of mentoring choosing.

Seminar 4.: Academic Integrity

Explain the principles of academic integrity on cases.

Seminar 5: Ethical Codes Analysis (e-modul on Merlin)

Describe basic ethical principles in academia’s ethical codes.

Seminar 6: Scientific Misconduct- questionable research practices

Describe various types of questionable research practices

Seminar 7: Authorship

Understand who is an author of a scientific article, describe violations of authorship.

Seminar 8: Major Scientific Misconduct – big science scandals, seminar presentations and case study analysis

Application of new learning skills by presentic scientific misconduct cases.

Obveze studenata:

During online classes, students are required to regularly attend online lectures (webinars, video lectures), use interactive teaching materials, actively participate in the use of online tests for self-monitoring and/or verification of acquired knowledge, actively participate in guided discussions, complete set tasks either independently or in teams, prepare the final project presentation.

Ispit (način polaganja ispita, opis pisanog/usmenog/praktičnog dijela ispita, način bodovanja, kriterij ocjenjivanja):

Students are continually evaluated during the course and they can collect a maximum of 100 grade points (70 during classes and 30 on the final exam).

The course consists of 25 hours of seminars (max. 70 points). The student must collect at least 40 points to earn the right to access the final exam. Students write a seminar paper on a given topic of scientific integrity, which carries 30 points and for each of the four specified topics they can collect 10 points, a total of 40 points .

Final exam is in form of a written test. It consists of 15 questions, a total of 30 grade points. Student has passed the exam if he had answered correct to at least 8 questions e.g. collected 16 grade points.

Grade points achieved on the exam are combined with the points achieved in class and form the final grade.

Ostale napomene (vezane uz kolegij) važne za studente:

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SATNICA IZVOĐENJA NASTAVE 2024/2025

Scientific Integrity in Biomedical Research

Seminari (mjesto i vrijeme / grupa)

Popis predavanja, seminara i vježbi:

SEMINARI (TEMA)	Broj sati	Mjesto održavanja
Seminar 1: Introduction to Scientific Integrity in Biomedical Research	3	
Seminar 2: Detection of Scientific Misconduct	2	
Seminar 3: Mentorship	2	
Seminar 4.: Academic Integrity	2	
Seminar 5: Ethical Codes Analysis (e-modul on Merlin)	4	
Seminar 6: Scientific Misconduct- questionable research practices	5	
Seminar 7: Authorship	2	
Seminar 8: Major Scientific Misconduct – big science scandals, seminar presentations and case study analysis	5	

ISPITNI TERMINI (završni ispit):