

Medicinski fakultet u Rijeci

**IZVEDBENI NASTAVNI PLAN  
2023/2024**

Za kolegij

**Chess and Critical Thinking**

Studij:	<b>Medical Studies in English (R)</b> (izborni) Sveučilišni integrirani prijediplomski i diplomski studij
Katedra:	<b>Katedra za društvene i humanističke znanosti u medicini</b>
Nositelj kolegija:	<b>izv. prof. dr. sc. Horvat Saša</b>
Godina studija:	<b>2</b>
ECTS:	<b>1.5</b>
Stimulativni ECTS:	<b>0 (0.00%)</b>
Strani jezik:	<b>Mogućnost izvođenja na stranom jeziku</b>

## **Podaci o kolegiju:**

Introduce students to the basic elements of critical thinking through chess, with the aim of a more complete understanding of the decision-making process.

## **Popis obvezne ispitne literature:**

Lecture presentations

Gari Kasparov. (2008.). *How Life Imitates Chess: Making the Right Moves, from the Board to the Boardroom* , Bloomsbury USA (selected parts)

Neil McDonald. (2004). *Chess: The Art of Logical Thinking: From the First Move to the Last* , Batsford (selected parts)

Jonathan Haber. (2020). *Critical Thinking*, MIT Press (selected parts)

Daniel Kahneman (2013.). *Thinking, Fast and Slow* , Farrar, Straus and Giroux. (selected parts)

All required literature as well as presentations will be available to students.

## **Popis dopunske literature:**

Mark Dvoretsky. (2006.). *Secrets of Chess Training: School of Future Chess Champions 1* , Edition Olms (selected parts)

Daniel Kahneman, Olivier Sibony, Cass R. Sunstein (2022). *Noise: A Flaw in Human Judgment* , Little, Brown and Company.

## **Nastavni plan:**

### **Predavanja popis (s naslovima i pojašnjenjem):**

#### **Introduction: Why the subject of critical thinking?**

Students will be able to recognize and identify the key aspects of the importance of developing critical thinking in the context of decision-making processes in various life circumstances.

#### **Chess: Basic rules of the game and decision-making**

Students will be able to describe and apply the fundamental rules of chess.

Students will be able to identify the main connections between decision-making in chess and the decision-making process.

#### **Fundamental aspects of critical thinking**

Students will be able to identify and elaborate on the fundamental elements of critical thinking.

Students will develop the capability to recognize key attributes of System 1 and System 2 thinking processes.

Students will be able to articulate how this knowledge enhances their cognitive skills and analytical prowess.

### **Seminari popis (s naslovima i pojašnjenjem):**

#### **Understanding tactics and strategy in chess and decision-making**

Students will be able to explain basic tactical motifs in chess and their relationship with the decision-making process.  
Students will be able to explain basic strategic motifs in chess and their relationship with the decision-making process.

#### **Fundamental aspects of critical thinking**

Students will be able to identify and elaborate on the fundamental elements of critical thinking.  
Students will develop the capability to recognize key attributes of System 1 and System 2 thinking processes.  
Students will be able to articulate how this knowledge enhances their cognitive skills and analytical prowess.

#### **Presentations of students' essays on selected topics of critical thinking and decision-making processes**

Students critically analyze a selected topic related to critical thinking and decision-making processes and showcase their depth of understanding and analytical skills.

#### **Prejudices and classic mistakes in thinking and the decision-making process**

The students will gain the ability to recognize the most prevalent prejudices inherent in thinking and the decision-making process.

The students will be able to employ critical analysis of texts and examples illustrating various forms of prejudice.

The student will be able to elaborate on how the skill of critical approach can help steer clear of succumbing to prejudices in the thinking and decision-making process.

## **Obveze studenata:**

Regular attendance, written seminar paper and final written examination.

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

Assessment is carried out in accordance with the Rules of Assessment of the Faculty of Medicine, University of Rijeka: course attendance 54 (%), written seminar paper 23 (%), and final written exam 23 (%).

**Ostale napomene (vezane uz kolegij) važne za studente:**

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## SATNICA IZVOĐENJA NASTAVE 2023/2024

Chess and Critical Thinking

<b>Predavanja</b> (mjesto i vrijeme / grupa)	<b>Seminari</b> (mjesto i vrijeme / grupa)
<b>24.10.2023</b>	
Introduction: Why the subject of critical thinking?: <ul style="list-style-type: none"><li>• Z-sala (15:15 - 16:00) [1602]<ul style="list-style-type: none"><li>◦ CACT</li></ul></li></ul> Chess: Basic rules of the game and decision-making: <ul style="list-style-type: none"><li>• Z-sala (16:15 - 17:00) [1602]<ul style="list-style-type: none"><li>◦ CACT</li></ul></li></ul>	
izv. prof. dr. sc. Horvat Saša [1602]	
<b>26.10.2023</b>	
Chess: Basic rules of the game and decision-making: <ul style="list-style-type: none"><li>• P03 - INFORMATIČKA UČIONICA (16:00 - 16:45) [1602]<ul style="list-style-type: none"><li>◦ CACT</li></ul></li></ul>	Understanding tactics and strategy in chess and decision-making: <ul style="list-style-type: none"><li>• P03 - INFORMATIČKA UČIONICA (17:00 - 17:45) [1602]<ul style="list-style-type: none"><li>◦ CACT</li></ul></li></ul>
izv. prof. dr. sc. Horvat Saša [1602]	
<b>07.11.2023</b>	
	Understanding tactics and strategy in chess and decision-making: <ul style="list-style-type: none"><li>• Z-sala (14:30 - 16:00) [1602]<ul style="list-style-type: none"><li>◦ CACT</li></ul></li></ul>
izv. prof. dr. sc. Horvat Saša [1602]	
<b>14.11.2023</b>	
Fundamental aspects of critical thinking: <ul style="list-style-type: none"><li>• Z-sala (15:15 - 16:00) [1602]<ul style="list-style-type: none"><li>◦ CACT</li></ul></li></ul>	Fundamental aspects of critical thinking: <ul style="list-style-type: none"><li>• Z-sala (16:00 - 18:15) [1602]<ul style="list-style-type: none"><li>◦ CACT</li></ul></li></ul>
izv. prof. dr. sc. Horvat Saša [1602]	
<b>21.11.2023</b>	
	Fundamental aspects of critical thinking: <ul style="list-style-type: none"><li>• Z-sala (15:00 - 16:30) [1602]<ul style="list-style-type: none"><li>◦ CACT</li></ul></li></ul> Prejudices and classic mistakes in thinking and the decision-making process: <ul style="list-style-type: none"><li>• Z-sala (16:30 - 18:00) [1602]<ul style="list-style-type: none"><li>◦ CACT</li></ul></li></ul>
izv. prof. dr. sc. Horvat Saša [1602]	
<b>05.12.2023</b>	
	Prejudices and classic mistakes in thinking and the decision-making process: <ul style="list-style-type: none"><li>• Z-sala (15:15 - 18:30) [1602]<ul style="list-style-type: none"><li>◦ CACT</li></ul></li></ul>
izv. prof. dr. sc. Horvat Saša [1602]	

16.01.2024	
	Prejudices and classic mistakes in thinking and the decision-making process: <ul style="list-style-type: none"> <li>• Z-sala (16:15 - 18:30) <sup>[1602]</sup> <ul style="list-style-type: none"> <li>◦ CACT</li> </ul> </li> </ul>
izv. prof. dr. sc. Horvat Saša <sup>[1602]</sup>	
23.01.2024	
	Presentations of students' essays on selected topics of critical thinking and decision-making processes: <ul style="list-style-type: none"> <li>• Z-sala (15:00 - 18:00) <sup>[1602]</sup> <ul style="list-style-type: none"> <li>◦ CACT</li> </ul> </li> </ul> Prejudices and classic mistakes in thinking and the decision-making process: <ul style="list-style-type: none"> <li>• Z-sala (15:00 - 18:00) <sup>[1602]</sup> <ul style="list-style-type: none"> <li>◦ CACT</li> </ul> </li> </ul>
izv. prof. dr. sc. Horvat Saša <sup>[1602]</sup>	

### Popis predavanja, seminara i vježbi:

PREDAVANJA (TEMA)	Broj sati	Mjesto održavanja
Introduction: Why the subject of critical thinking?	1	Z-sala
Chess: Basic rules of the game and decision-making	2	P03 - INFORMATIČKA UČIONICA Z-sala
Fundamental aspects of critical thinking	2	Z-sala

SEMINARI (TEMA)	Broj sati	Mjesto održavanja
Understanding tactics and strategy in chess and decision-making	3	P03 - INFORMATIČKA UČIONICA Z-sala
Fundamental aspects of critical thinking	4	Z-sala
Presentations of students' essays on selected topics of critical thinking and decision-making processes	3	Z-sala
Prejudices and classic mistakes in thinking and the decision-making process	10	Z-sala

### ISPITNI TERMINI (završni ispit):

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