[Medicinski fakultet u Rijeci]

Curriculum
2024/2025

[Za kolegij]

Brain and Mind: Foundations of Neurophilosophy

Study program:	**Medical Studies in English (R)** (elective) [Sveučilišni integrirani prijediplomski i diplomski studij]
Department:	**[Katedra za društvene i humanističke znanosti u medicini]**
Course coordinator:	**izv. prof. dr. sc. Horvat Saša**
Year of study:	**2**
ECTS:	**1.5**
Incentive ECTS:	**0 (0.00%)**
Foreign language:	**No**

Course information:

Introduce students to the foundations of neurophilosophy - a new scientific discipline that integrates the knowledge of philosophy and neuroscience, in order to better understand the relationship of mind, brain, body and environment.

List of assigned reading:

Presentations for the lectures

Michael Jungert, „Neurophilosophy or Philosophy of Neuroscience? What Neuroscience and Philosophy Can and Cannot Do for Each Other“, in: Jon Leefmann – Elisabeth Hildt (ed.), *The Human Sciences after the Decade of the Brain*, London, 2017., 3-13. https://doi.org/10.1016/B978-0-12-804205-2.00001-X, https://www.researchgate.net/publication/312525666_Neurophilosophy_or_Philosophy_of_Neuroscience_What_Neuroscience_and_Philos

Juan José Sanguineti, „Trends in Philosophy of Mind and in Philosophy of Neuroscience“, in: Pascual Ángel Gargiulo - Humberto Luis Mesones-Arroyo (eds.), *Psychiatry and Neuroscience Update. Bridging the Divide*, Springer, 2015, 23-37. https://doi.org/10.1007/978-3-319-17103-6 https://www.academia.edu/17779735/Trends_in_Philosophy_of_Mind_and_Philosophy_of_Neuroscience

Boris Kotchoubey et all, “Methodological Problems on the Way to Integrative Human Neuroscience”, in: *Front. Integr. Neurosci.*, 29 November 2016, 1-19., https://doi.org/10.3389/fnint.2016.00041

Georg Northoff, “Brain and Self – A neurophilosophical account”, in: *Child and Adolescent Psychiatry and Mental Health*, 2013, 7(1):28, 1-12, https://doi.org/10.1186/1753-2000-7-28

Michael Schaefer - Georg Northoff, “Who Am I: The Conscious and the Unconscious Self”, *Front. Hum. Neurosci.*, 17 March 2017, 1-5, https://doi.org/10.3389/fnhum.2017.00126

Ned Block, “Comparing the major theories of consciousness”, u: Michael S. Gazzaniga et all, (eds.), *The cognitive neurosciences*, MIT, 2009, 1111–1122; https://www.nyu.edu/gsas/dept/philo/faculty/block/papers/Theories_of_Consciousness.pdf

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

List of optional reading:

Shaun Gallagher, „Neurophilosophy and neurophenomenology“, in: L. Embree and T. Nenon (eds.), *Phenomenology* 2005, 5, Bucharest, 293-316.https://www.academia.edu/2363426/Gallagher_S_2007_Neurophilosophy_and_neurophenomenology

Wayne Wu, "The Neuroscience of Consciousness", *The Stanford Encyclopedia of Philosophy* (Winter 2018 Edition), Edward N. Zalta (ed.), https://plato.stanford.edu/archives/win2018/entries/consciousness-neuroscience

Morten Overgaard, „The Status and Future of Consciousness Research“, in: *Front. Psychol.*, 10 October 2017 | https://doi.org/10.3389/fpsyg.2017.01719

Navot Naor - Aaron Ben-Ze'ev - Hadas Okon-Singer, „The modern search for the Holy Grail: is neuroscience a solution?“, *Front. Hum. Neurosci.*, 04 June 2014 | https://doi.org/10.3389/fnhum.2014.00388

Kai Vogeley - Shaun Gallagher, “The self in the brain”, in: Shaun Gallagher (ed.), *The Oxford Handbook of the Self*, Oxford, 2011, 111-136., https://www.academia.edu/20554600/Vogeley_K_and_Gallagher_S_2011_The_self_in_the_brain

Curriculum:

[Predavanja] list (with titles and explanation):

Introduction to Philosophy

Students will be able to describe the goals of individual philosophical disciplines: Anthropology; Philosophy of Technology; Philosophy of Science.

Students will be able to identify the main representatives of the philosophy of science.

Neuroscience - Philosophical Perspective

Students will be able to explain the basics of the division of sciences and the disciplines encompassed by neuroscience.

Students will be able to illustrate the main problems of interdisciplinarity using the example of neuroscience.

[Seminari] list (with titles and explanation):

Philosophy of Neuroscience and Neurophilosophy

Students will be able to explain the fundamentals of the methods and goals of the philosophy of neuroscience.

Students will be able to explain the fundamentals of the methods and goals of neurophilosophy.

Neurophilosophy - Main Representatives

Students will be able to name the main representatives in the field of neurophilosophy.

Students will be able to explain the fundamental ideas of the main representatives in the field of neurophilosophy.

Main Themes of Neurophilosophy - Self, Emotions and Consciousness

Students will be able to explain the basics of the topic related to neurophilosophy and self.

Students will be able to explain the basics of the topic related to neurophilosophy and consciousness.

Students will be able to explain the basics of the topic related to neurophilosophy and emotions.

Presentations of students' essays on selected topics in neurophilosophy

Students present and critically analyze a selected topic in neurophilosophy.

Student obligations:

Regular attendance, written seminar paper and final written examination.

Exam (exam taking, description of the written/oral/practical part of the exam, point distribution, grading criteria):

Assessment is carried out in accordance with the Rules of Assessment of the Faculty of Medicine, University of Rijeka: course attendance 54 (%) - number of attendances; written seminar paper 16 (%) - formal design, content, originality, literature used; final written exam 30 (%) - factual knowledge, understanding.

Other notes (related to the course) important for students:

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COURSE HOURS 2024/2025

Brain and Mind: Foundations of Neurophilosophy

[Predavanja] (Place and time or group)	**[Seminari]** (Place and time or group)
23.04.2025	
Introduction to Philosophy: • [P07] (13:30 - 15:00) [1602] ○ BM:FN	
izv. prof. dr. sc. Horvat Saša [1602]	
25.04.2025	

Introduction to Philosophy:
• [ONLINE] (14:00 - 14:45) [1602]
  ○ BM:FN
 	
Neuroscience - Philosophical Perspective:
• [ONLINE] (14:45 - 16:15) [1602]
  ○ BM:FN	

izv. prof. dr. sc. Horvat Saša [1602]	
09.05.2025	

	Philosophy of Neuroscience and Neurophilosophy:
	• [ONLINE] (08:15 - 11:15) [1602]
	  ○ BM:FN
	
	Neurophilosophy - Main Representatives:
	• [ONLINE] (11:30 - 12:15) [1602]
	  ○ BM:FN

izv. prof. dr. sc. Horvat Saša [1602]	
16.05.2025	
	Neurophilosophy - Main Representatives: • [ONLINE] (12:20 - 14:35) [1602] ○ BM:FN
izv. prof. dr. sc. Horvat Saša [1602]	
23.05.2025	
	Main Themes of Neurophilosophy - Self, Emotions and Consciousness: • [ONLINE] (15:00 - 18:00) [1602] ○ BM:FN
izv. prof. dr. sc. Horvat Saša [1602]	
29.05.2025	
	Main Themes of Neurophilosophy - Self, Emotions and Consciousness: • [Z3] (10:20 - 13:20) [1602] ○ BM:FN
izv. prof. dr. sc. Horvat Saša [1602]	
10.06.2025	

	Presentations of students' essays on selected topics in neurophilosophy: • [Z3] (11:00 - 14:00) [1602] ○ BM:FN
izv. prof. dr. sc. Horvat Saša [1602]	

List of lectures, seminars and practicals:

[PREDAVANJA] (TOPIC)	Number of hours	Location
Introduction to Philosophy	3	[ONLINE] [P07]
Neuroscience - Philosophical Perspective	2	[ONLINE]

[SEMINARI] (TOPIC)	Number of hours	Location
Philosophy of Neuroscience and Neurophilosophy	4	[ONLINE]
Neurophilosophy - Main Representatives	4	[ONLINE]
Main Themes of Neurophilosophy - Self, Emotions and Consciousness	8	[ONLINE] [Z3]
Presentations of students' essays on selected topics in neurophilosophy	4	[Z3]

EXAM DATES (final exam):

1.	02.06.2025.
2.	10.06.2025.
3.	10.07.2025.
4.	04.09.2025.