

[Medicinski fakultet u Rijeci]

## Curriculum 2022/2023

[Za kolegij]

# Brain and Mind: Foundations of Neurophilosophy

Study programme: **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\\_Philosophy\\_Can\\_and\\_Cannot\\_Do\\_for\\_Each\\_Other](https://www.researchgate.net/publication/312525666_Neurophilosophy_or_Philosophy_of_Neuroscience_What_Neuroscience_and_Philosophy_Can_and_Cannot_Do_for_Each_Other)

Juan José Sanguinetti, „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](https://www.academia.edu/17779735/Trends_in_Philosophy_of_Mind_and_Philosophy_of_Neuroscience)

Boris Kotchoubey et al, “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”, in: Michael S. Gazzaniga et al, (eds.), *The cognitive neurosciences*, MIT, 2009, 1111-1122;

[https://www.nyu.edu/gsas/dept/phil/faculty/block/papers/Theories\\_of\\_Consciousness.pdf](https://www.nyu.edu/gsas/dept/phil/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](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](https://www.academia.edu/20554600/Vogeley_K_and_Gallagher_S_2011_The_self_in_the_brain)

## Curriculum:

### 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 2022/2023**

Brain and Mind: Foundations of Neurophilosophy

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**List of lectures, seminars and practicals:**

**EXAM DATES (final exam):**

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