



Univerza v Mariboru

Medicinska fakulteta

## UČNI NAČRT PREDMETA / COURSE SYLLABUS

<b>Ime predmeta:</b>	<b>Izbrana poglavja iz psihiatrije</b>							
<b>Course title:</b>	<b>Selected Topics from Psychiatry</b>							
<b>Študijski program in stopnja</b> <b>Study programme and cycle</b>	<b>Študijska smer</b> <b>Study option</b>			<b>Letnik</b> <b>Year of study</b>	<b>Semester</b> <b>Semester</b>			
Biomedicinska tehnologija/3. stopnja				2	3 ali 4			
Biomedical Technology/3rd Degree								
<b>Vrsta predmeta (obvezni ali izbirni) /</b> <b>Course type (compulsory or elective)</b>				Izbirni				
				Elective				
<b>Univerzitetna koda predmeta / University course code:</b>								
<b>Predavanja</b> <b>Lectures</b>	<b>Seminar</b> <b>Seminar</b>	<b>Vaje</b> <b>Tutorial</b>			<b>Klinične vaje</b> <b>Clinical training</b>	<b>Druge oblike študija</b> <b>Other forms of study</b>	<b>Samost. delo</b> <b>Individual work</b>	<b>ECTS</b>
15	20	10					135	6
		AV	LV	RV				
<b>Nosilec predmeta / Course coordinator:</b>				izr. prof. dr. Hojka Gregorič Kumperščak				
<b>Jeziki /Languages:</b>		<b>Predavanja / Lectures:</b>		Slovenščina/Slovene				
		<b>Vaje / Tutorial:</b>		Slovenščina/Slovene				
<b>Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:</b>				<b>Prerequisites for enrolling in the course or for performing study obligations:</b>				
<b>Vsebina (kratek pregled učnega načrta):</b>				<b>Content (syllabus outline):</b>				
Nevroznanost: uvod in pregled. Principi kemične nevrottransmisije. Receptorji in encimi kot cilji delovanja zdravil. Kemična nevrottransmisija kot mediator bolezenskega delovanja. Kvantitativne in eksperimentalne metode v psihiatriji. Nevropsihiatrija in vedenjska nevrologija. Klinične manifestacije psihiatričnih motenj. Najnovejši klinični razvoj in nove teorije – genetske - pomembnih psihiatričnih motenj. Shizofrenija. Depresija. Bipolarne motnje. Demenca. Anksiozne motnje. Druge psihiatrične motnje. Samomor. Principi kognitivne nevropsihiatrije. Psihofarmakoterapija/biološke terapije.				Neuroscience: introduction and overview. Principles of chemical neurotransmission. Receptors and enzymes as the targets of drug action. Chemical neurotransmission as the mediator of disease actions. Quantitative and experimental methods in psychiatry. Neuropsychiatry and behavioural neurology. Clinical manifestations of psychiatric disorders. The most recent clinical developments and new – genetic - theories of important psychiatric disorders. Schizophrenia. Depression. Bipolar disorders. Dementia. Other important psychiatric disorders. Suicide. Principles of cognitive neuropsychiatry. Psychopharmacotherapy/biological therapies. Clinical advances in antidepressant and antipsychotic				

<p>Klinične novosti antidepresivne in antipsihotične terapije. Stabilizatorji razpoloženja. Kognitivni vzpodbujevalci. Novi anksiolitiki. Psihiatrične motnje in somatska obolenja. Pomen duševnega zdravja. Genetika v psihiatriji</p>	<p>therapy. Mood stabilizers. Cognitive enhancers. New anxiolytics. Psychiatric disorders and physical illnesses. Importance of mental health. Psychiatric genetics.</p>
<p><b>Temeljni literatura in viri / Reading materials:</b></p>	
<ul style="list-style-type: none"> <li>– Stahl SM. Essential Psychopharmacology. Neuroscientific Basis and Practical Advances. 4 th ed. Cambridge: University Press, 20015</li> <li>– GREGORIČ KUMPERŠČAK, Hojka. Personality disorders in adolescents and different therapeutic approaches. V: SHAD, Kaneez Fatima (ur.). <i>Neurological and mental disorders</i>. London: IntechOpen, cop. 2020. Str. 1-11. ISBN 978-1-83962-973-0, ISBN 978-1-83962-975-4, ISBN 978-1-83962-974-7. <a href="https://www.intechopen.com/books/neurological-and-mental-disorders/personality-disorders-in-adolescents-and-different-therapeutic-approaches">https://www.intechopen.com/books/neurological-and-mental-disorders/personality-disorders-in-adolescents-and-different-therapeutic-approaches</a>, <a href="http://dx.doi.org/10.5772/intechopen.93110">http://dx.doi.org/10.5772/intechopen.93110</a>, DOI: <a href="https://doi.org/10.5772/intechopen.93110">10.5772/intechopen.93110</a>. [COBISS.SI-ID 30991875]</li> <li>– Tomori Martina, Zihel Slavko (ur.). Psihiatrija. Ljubljana: Litterapicta: Medicinska fakulteta, 1999.</li> <li>– GREGORIČ KUMPERŠČAK, Hojka. Komunikacija z mladostniki in starši ter pomen zaupnosti = Communication with adolescents and parents and the meaning of confidentiality. V: MIČETIĆ-TURK, Dušanka (ur.), VOGRIN, Bernarda (ur.). <i>Adolescentna medicina : 1. in 2. modul : [konferenca = conference : 1. modul Maribor, Slovenija, 10. 3. 2023-11. 3. 2023, 2. modul Maribor, Slovenija, 16. 6. 2023- 17. 6. 2023]</i>. 1. izd. Maribor: Univerzitetna založba: = University Press, 2023. Str. 11-15. ISBN 978-961-286-801-7. [COBISS.SI-ID 181380867]</li> </ul>	
<p><b>Cilji in kompetence:</b></p>	<p><b>Objectives and competences:</b></p>
<p>Psihiatrija kot biomedicinska veda postaja vse pomembnejša in se širi na druga medicinska področja. Študenti se bodo seznanili z novimi spoznanji nevrobiologije in nevrokemije, ki služijo kot osnova za razumevanje psihiatričnih motenj, s teorijami kognitivne nevroznanosti in novimi kliničnimi spoznanji o psihiatričnih motnjah ter načinu njihovega zdravljenja. Naučili se bodo opazovanja problemov iz različnih vidikov, in integrirati psihično in telesno funkcioniranje.</p>	<p>Psychiatry as biomedical science is more and more important with its expansion into the other medicine fields. Students will learn about new advances in neurobiology and neurochemistry, which are necessary for the understanding of psychiatric disorders, and about clinical advances in neurocognition, with recent clinical developments for explaining the concepts of psychiatric disorders and their pharmacological treatment. Student will learn how to assess problems from different perspectives and how to integrate mind and body functioning.</p>
<p><b>Predvideni študijski rezultati:</b></p>	<p><b>Intended learning outcomes:</b></p>
<p><b>Znanje in razumevanje:</b> najpomembnejših psihiatričnih motenj, njihovo zdravljenje in raziskovanje teh motenj</p>	<p><b>Knowledge and understanding:</b> of most important psychiatric disorders, their pharmacological treatment and research of these disorders</p>
<p><b>Prenosljive/ključne spretnosti in drugi atributi:</b> Implementacija in povezovanje teh znanj v raziskovanje in na druga medicinska področja.</p>	<p><b>Transferable/key competences and other abilities:</b> implementation and connecting of this knowledge into research and into other branches of medicine</p>
<p><b>Metode poučevanja in učenja:</b></p>	<p><b>Learning and teaching methods:</b></p>
<p>Predavanja Seminarji Vaje Individualno delo</p>	<p>Lectures Seminars Tutorial Individual work</p>
<p><b>Načini ocenjevanja:</b></p>	<p><b>Delež (v %) / Assessment methods:</b></p>



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	Share (in %)	
Način (pisni izpit, ustno izpraševanje, naloge, projekt)		Method (written or oral exam, coursework, project):
Seminarska naloga	70 %	Seminar paper
Pisni izpit	30 %	Writing exam

**Reference nosilca / Course coordinator's references:**

ŠENICA, Nina, ALEKSIC, Branko, INADA, Toshiya, PLEMENITAŠ ILJEŠ, Anja, ZAMUDA, Tilen, GREGORIČ KUMPERŠČAK, Hojka. Slovenian version of the drug-induced extrapyramidal symptoms scale: evaluation of interrater and test-retest reliability. *Journal of clinical psychopharmacology*. [Online ed.]. 2023, vol. 43, no. 4, str. 361-364, ilustr. ISSN 1533-712X. [https://journals.lww.com/psychopharmacology/fulltext/2023/07000/slovenian\\_version\\_of\\_the\\_drug\\_induced.9.aspx](https://journals.lww.com/psychopharmacology/fulltext/2023/07000/slovenian_version_of_the_drug_induced.9.aspx), DOI: 10.1097/JCP.0000000000001682. [COBISS.SI-ID 163436803],

ČELOFIGA, Andreja, KORES-PLESNIČAR, Blanka, KOPRIVŠEK, Jure, MOŠKON, Miha, BENKOVIČ, Dominik, GREGORIČ KUMPERŠČAK, Hojka. Effectiveness of de-escalation in reducing aggression and coercion in acute psychiatric units : a cluster randomized study. *Frontiers in psychiatry*. Apr. 2022, vol. 13, str. 1-14, ilustr. ISSN 1664-0640. <https://www.frontiersin.org/articles/10.3389/fpsy.2022.856153/full#fun1>, <https://doi.org/10.3389/fpsy.2022.856153>, DOI: 10.3389/fpsy.2022.856153. [COBISS.SI-ID 104051971], [JCR, SNIP, WoS, Scopus] financir: Raziskava je bila izvedena v okviru raziskovalnega projekta UKC Maribor (IRP 2018/1-09) kategorija: 1A2 (Z, A', A1/2); uvrstitev: SSCI, SCIE, Scopus, MBP (PUBMED, PSYCINFO, DOAJ); tip dela je verificiral OSICM točke: 16.44, št. avtorjev: 6

GREGORIČ KUMPERŠČAK, Hojka, KRGOVIĆ, Danijela, DROBNIČ RADOBUJAC, Maja, ŠENICA, Nina, ZAGORAC, Andreja, KOKALJ-VOKAČ, Nadja. CNVs and chromosomal aneuploidy in patients with early-onset schizophrenia and bipolar disorder : genotype-phenotype associations. *Frontiers in psychiatry*. 12. Jan. 2021, vol. 11, str. 1-16, ilustr. ISSN 1664-0640. <https://www.frontiersin.org/articles/10.3389/fpsy.2020.606372/full>, <https://doi.org/10.3389/fpsy.2020.606372>, DOI: 10.3389/fpsy.2020.606372. [COBISS.SI-ID 46840579], [JCR, SNIP, WoS, Scopus], kategorija: 1A2 (Z, A', A1/2); uvrstitev: SSCI, SCIE, Scopus, MBP (PUBMED, PSYCINFO, DOAJ); tip dela je verificiral OSICM točke: 16.44, št. avtorjev: 6