



Univerza v Mariboru

Medicinska fakulteta

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Ime predmeta:	Izbrana poglavja iz psihiatrije							
Course title:	Selected Topics from Psychiatry							
Študijski program in stopnja Study programme and cycle	Študijska smer Study option			Letnik Year of study	Semester Semester			
Biomedicinska tehnologija/3. stopnja				2	3 ali 4			
Biomedical Technology/3rd Degree								
Vrsta predmeta (obvezni ali izbirni) / Course type (compulsory or elective)				Izbirni				
				Elective				
Univerzitetna koda predmeta / University course code:								
Predavanja Lectures	Seminar Seminar	Vaje Tutorial			Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
15	20	10					135	6
		AV	LV	RV				
Nosilec predmeta / Course coordinator:				izr. prof. dr. Hojka Gregorič Kumperščak				
Jeziki /Languages:		Predavanja / Lectures:		Slovenščina/Slovene				
		Vaje / Tutorial:		Slovenščina/Slovene				
Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:				Prerequisites for enrolling in the course or for performing study obligations:				
Vsebina (kratek pregled učnega načrta):				Content (syllabus outline):				
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>Temeljni literatura in viri / Reading materials:</p>		
<ul style="list-style-type: none"> – Kaplans' Comprehensive Textbook of Psychiatry. Sadock B, Sadock V (eds). 7 th ed. Philadelphia: Lippincott, Williams & Wilkins, 2000. – Stahl SM. Essential Psychopharmacology. Neuroscientific Basis and Practical Advances. 2 nd ed. Cambridge: University Press, 2000. – Tomori Martina, Zihel Slavko (ur.). Psihiatrija. Ljubljana: Litterapicta: Medicinska fakulteta, 1999. 		
<p>Cilji in kompetence:</p>	<p>Objectives and competences:</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 nevroznosti 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>Predvideni študijski rezultati:</p>	<p>Intended learning outcomes:</p>	
<p>Znanje in razumevanje: najpomembnejših psihiatričnih motenj, njihovo zdravljenje in raziskovanje teh motenj</p>	<p>Knowledge and understanding: of most important psychiatric disorders, their pharmacological treatment and research of these disorders</p>	
<p>Prenosljive/ključne spretnosti in drugi atributi: Implementacija in povezovanje teh znanj v raziskovanje in na druga medicinska področja.</p>	<p>Transferable/key competences and other abilities: implementation and connecting of this knowledge into research and into other branches of medicine</p>	
<p>Metode poučevanja in učenja:</p>	<p>Learning and teaching methods:</p>	
<p>Predavanja Seminarji Vaje Individualno delo</p>	<p>Lectures Seminars Tutorial Individual work</p>	
<p>Načini ocenjevanja:</p>	<p>Delež (v %) / Share (in %)</p>	<p>Assessment methods:</p>
<p>Način (pisni izpit, ustno izpraševanje, naloge, projekt) Seminarska naloga Pisni izpit</p>	<p>70 % 30 %</p>	<p>Method (written or oral exam, coursework, project): Seminar work Writing exam</p>

Reference nosilca / Course coordinator's references:

GREGORIČ KUMPERŠČAK, Hojka, KLARER REBEC, Živa, SOBOČAN, Sanja, T. FRAS, Valerija, DOLINŠEK, Jernej. Prevalence of celiac disease is not increased in ADHD sample. *Journal of attention disorders*, ISSN 1557-1246, 2016, vol. , no. , str. [1]-5. <http://journals.sagepub.com/doi/pdf/10.1177/1087054716666953>, doi: 10.1177/1087054716666953. [COBISS.SI-ID 5790783], [JCR, SNIP] kategorija: 1A1 (Z, A", A', A1/2); uvrstitev: SSCI, SCI, Scopus (d), MBP; tip dela še ni verificiran točke: 22.18, št. avtorjev: 5

KRGOVIĆ, Danijela, KOKALJ-VOKAČ, Nadja, ZAGORAC, Andreja, GREGORIČ KUMPERŠČAK, Hojka. Rare structural variants in the DOCK8 gene identified in a cohort of 439 patients with neurodevelopmental disorders. *Scientific reports*, ISSN 2045-2322, 21. 6. 2018, [Vol.] 8, str. 1-7. <https://www.nature.com/articles/s41598-018-27824-0>, <https://doi.org/10.1038/s41598-018-27824-0>, doi: 10.1038/s41598-018-27824-0. [COBISS.SI-ID 6377279], [JCR, SNIP, WoS do 10. 2. 2019: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0.25, Scopus do 1. 3. 2019: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0.25] kategorija: 1A1 (Z, A', A1/2); uvrstitev: SCI, Scopus, MBP; tip dela je verificiral OSICB točke: 30.2, št. avtorjev: 4

GREGORIČ KUMPERŠČAK, Hojka, CLAUSEN, C., ANAGNOSTOPOULOS, Dimitris, BARAC OTASEVIC, Z., BORICEVIC MARSANIC, V., BURGIC, M., COMO, A., NUSSBAUM, L., PEJOVIĆ-MILOVANČEVIĆ, Milica, RALEVA, M., et al. Child and adolescent psychiatry training and mental health care in Southeast Europe. *European child & adolescent psychiatry*, ISSN 1435-165X, 2020, vol. 29, iss. 1, str. 29-39. <https://doi.org/10.1007/s00787-019-01362-0>, <https://link.springer.com/article/10.1007%2Fs00787-019-01362-0>, doi: 0.1007/s00787-019-01362-0. [COBISS.SI-ID 6741567], [JCR, SNIP] kategorija: 1A1 (Z, A", A', A1/2); uvrstitev: SCI, SSCI, Scopus (d), Scopus, MBP; tip dela je verificiral OSICM točke: 11.78, št. avtorjev: 14