



OPIS PREDMETA / SUBJECT SPECIFICATION

Predmet:	IZBRANA POGLAVJA IZ PSIHIATRIJE
Subject Title:	SELECTED TOPICS FROM PSYCHIATRY

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
Biomedicinska tehnologija Biomedical technology		2	3 ali 4

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Lab. work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
15	20		10		105	5

Nosilec predmeta / Lecturer:

Prof. dr. Blanka Kores Plesničar

Jeziki / Predavanja / Lecture: SLOVENŠČINA / SLOVENE

Languages: Vaje / Tutorial: SLOVENŠČINA / SLOVENE

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Prerequisites:

Kandidat mora doseči 300 ECTS na predhodnem študiju.

Graduate degree 300 ECTS

Vsebina:

Contents (Syllabus outline):

1. Nevroznanost: uvod in pregled.
2. Principi kemične nevrottransmisije.
3. Receptorji in encimi kot cilji delovanja zdravil.
4. Kemična nevrottransmisija kot mediator bolezenskega delovanja.
5. Kvantitativne in eksperimentalne metode v psihiatriji.
6. Nevropsihiatrija in vedenjska nevrologija.
7. Klinične manifestacije psihiatričnih motenj.
8. Najnovejši klinični razvoj in nove teorije pomembnih psihiatričnih motenj. Shizofrenija. Depresija. Bipolarne motnje. Demence. Anksiozne motnje. Druge psihiatrične motnje. Samomor.
9. Principi kognitivne nevropsihiatrije.
10. Psihofarmakoterapija/biološke terapije. Klinične novosti antidepresivne in antipsihotične terapije. Stabilizatorji razpoloženja. Kognitivni vzpodbujevalci. Novi anksiolitiki.
11. Psihiatrične motnje in somatska obolenja.
12. Pomen duševnega zdravja.

1. Neuroscience: introduction and overview.
2. Principles of chemical neurotransmission.
3. Receptors and enzymes as the targets of drug action.
4. Chemical neurotransmission as the mediator of disease actions.
5. Quantitative and experimental methods in psychiatry.
6. Neuropsychiatry and behavioral neurology.
7. Clinical manifestations of psychiatric disorders.
8. The most recent clinical developments and new theories of important psychiatric disorders. Schizophrenia. Depression. Bipolar disorders. Dementia. Other important psychiatric disorders. Suicide.
9. Principles of cognitive neuropsychiatry.
10. Psychopharmacotherapy/biological therapies. Clinical advances in antidepressant and antipsychotic therapy. Mood stabilizers. Cognitive enhancers. New anxiolytics.
11. Psychiatric disorders and physical illnesses.
12. Importance of mental health.

Temeljni študijski viri / Textbooks:

1. Kaplans' Comprehensive Textbook of Psychiatry. Sadock B, Sadock V (eds). 7 th ed. Philadelphia: Lippincott, Williams & Wilkins, 2000.
2. Stahl SM. Essential Psychopharmacology. Neuroscientific Basis and Practical Advances. 2 nd ed. Cambridge: University Press, 2000.
3. Tomori Martina, Ziherl Slavko (ur.). Psihiatrija. Ljubljana: Litterapicta: Medicinska fakulteta, 1999.

Cilji:

Psihijatrija 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 kongitivne 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.

Predvideni študijski rezultati:**Znanje in razumevanje:**

- najpomembnejših psihiatričnih motenj, njihovo zdravljenje in raziskovanje teh motenj

Prenesljive/ključne spretnosti in drugi atributi:

- implementacij teh znanj v raziskovanje in na druga medicinska področja.

Metode poučevanja in učenja:

- predavanja
- seminarji
- vaje
- individualno delo s študenti
- projektno učenje

Načini ocenjevanja:

Način (pisni izpit, ustno izpraševanje, naloge, projekt)

- Seminarska naloga
- Pisni izpit

Objectives:

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.

Intended learning outcomes:**Knowledge and Understanding:**

- of most important psychiatric disorders, their pharmacological treatment and research of these disorders

Transferable/Key Skills and other attributes:

- implementation of this knowledge into research and into other branches of medicine

Learning and teaching methods:

- lectures
- seminars
- tutorial
- individual work with students
- project learning

Assessment:

Delež (v %) /
Weight (in %)

Type (examination, oral, coursework, project):

- seminar work
- writing exam

Materialni pogoji za izvedbo predmeta :

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Material conditions for subject realization

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Obveznosti študentov:

(pisni, ustni izpit, naloge, projekti)

- Seminarska naloga
- Pisni izpit

Students' commitments:

(written, oral examination, coursework, projects):

- seminar work
- writing exam