



Univerza v Mariboru



MEDICINSKA FAKULTETA

UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION

Predmet:	Izbrane vsebine in novosti v mikrobiologiji
Subject Title:	Selected topics and novelties in microbiology

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
Splošna medicina General medicine – EMŠP		2	4

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Labor work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
5	40				45	3

Nosilec predmeta / Lecturer:

Red. prof. dr. Maja Rupnik

Jeziki /

Predavanja / Lecture: Slovenski/slovene

Languages:

Vaje / Tutorial: Slovenski/slovene

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

Prerequisites:

Vsebina:

Vsebino obravnavane teme izbere študent s pomočjo mentorja in sicer poglobljene teme navedene pri predmetu Mikrobiologija

Content (Syllabus outline):

Content of the elective is chosen with mentor's help. More detailed description of knowledge, skills, diseases and pathologic states are presented in subject Microbiology.

Temeljni literatura in viri / Textbooks:

- McClane BA, Mietzner TA (eds.) Microbial Pathogenesis, Fence Creek Publishing, 1999
- Greenwood D., Slack R. C. B., Peutherer J. F., Barer M., **Medical Microbiology** (17th ed), Churchill Livingstone, Elsevier, 2007

Cilji:

Študent pri izbirnem predmetu razširjeno in poglobljeno obravnava ozko izbrano temo iz celotnega obsega vsebin izbranega predmeta. Obravnava, presega raven obravnave v učbeniku. Pri izbranem predmetu študent utrjuje znanja in veščine, potrebne za samostojno delo in razčlenjevanje posameznih problemov na osnovi podatkov, dobljenih iz sodobne strokovne literature. Hkrati s tem utrjuje znanja in veščine, potrebne za samostojno iskanje sodobnih virov podatkov iz izbranega področja, njihovo razčlenjevanje, analizo in predstavitev. Cilj je priprava študenta na samostojno obravnavo in predstavitev posameznih tem na osnovi tekočih dogajanj v stroki

Objectives:

Chosen subject out of the electives is studied profoundly. Knowledge about the subject extends the matter given in the course book. Thus, student revise obtained knowledge and skills needed for independent work and problem analyse. Student gains experience how to look for newest data on the chosen field and on the basis of acquired modern data from professional literature learns how to classify, analyse and present them. Goal is to prepare student for competent interpretation and presentation of cutting edge professional themes.

Predvideni študijski rezultati:

Znanje in razumevanje: <ul style="list-style-type: none"> - pomembnejših in novejših tem v mikrobiologiji - sodobnih metod v diagnostiki in raziskavah
Prenesljive/ključne spretnosti in drugi atributi: <ul style="list-style-type: none"> - sposobnost samostojnega dela - sposobnost reševanja problemov - uporaba primarnih virov literature

Intended learning outcomes:

Knowledge and Understanding: <ul style="list-style-type: none"> - of relevant, new and emerging topics in Microbiology - state of the art in diagnostic methods and in research
Transferable/Key Skills and other attributes: <ul style="list-style-type: none"> - capability of independent work - capability of problem solving approach - use of primary sources of scientific literature

Metode poučevanja in učenja:

Seminarji projektna naloga

Learning and teaching methods:

seminar project work

Načini ocenjevanja:Delež (v %) /
Weight (in %)**Assessment:**

Način (pisni izpit, ustno izpraševanje, naloge, projekt) Študent mora pripraviti seminarsko nalogo/poročilo projekta in jo ustno zagovarjati	100 %	Type (examination, oral, coursework, project): written seminar/project report and short oral presentation of the seminar/project report
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Reference nosilca / Lecturer's references:

RUPNIK, Maja, WILCOX, Mark, GERDING, Dale N. Clostridium difficile infection : new developments in epidemiology and pathogenesis. Nature reviews, Microbiology, ISSN 1740-1526, 2009, issue 7, vol. 7, str. 526-536, doi: 10.1038/nrmicro2164. [COBISS.SI-ID 652319], [JCR, SNIP, WoS do 13. 1. 2014: št. citatov (TC): 241, čistih citatov (CI): 231, normirano št. čistih citatov (NC): 69, Scopus do 14. 1. 2014: št. citatov (TC): 272, čistih citatov (CI): 263, normirano št. čistih citatov (NC): 79]

BAUER, Martijn P., NOTERMANS, Daan W., BENTHEM, Birgit HB van, BRAZIER, Jon S., WILCOX, Mark, RUPNIK, Maja, MONNET, Dominique L., DISSEL, Jaap T. van, KUIJPER, Ed J. Clostridium difficile infection in Europe : a hospital-based survey. The Lancet, ISSN 0140-6736. [Print ed.], 2011, vol. 377, iss. 9759, str. 63-73, doi: 10.1016/S0140-6736(10)61266-4. [COBISS.SI-ID 512101432], [JCR, SNIP, WoS do 14. 1. 2014: št. citatov (TC): 163, čistih citatov (CI): 156, normirano št. čistih citatov (NC): 62, Scopus do 8. 1. 2014: št. citatov (TC): 180, čistih citatov (CI): 175, normirano št. čistih citatov (NC): 69]

ŠKRABAN, Jure, DŽEROSKI, Sašo, ŽENKO, Bernard, MONGUS, Domen, GANGL, Simon, RUPNIK, Maja. Gut microbiota patterns associated with colonization of different clostridium difficile ribotypes. PloS one, ISSN 1932-6203, 2013, vol. 8, iss. 2, str. e58005-1-e58005-13, doi: 10.1371/journal.pone.0058005. [COBISS.SI-ID 16731158], [JCR, SNIP, WoS do 1. 1. 2014: št. citatov (TC): 3, čistih citatov (CI): 2, normirano št. čistih citatov (NC): 1, Scopus do 11. 12. 2013: št. citatov (TC): 2, čistih citatov (CI): 2, normirano št. čistih citatov (NC): 1]

JANEŽIČ, Sandra, ŠTRUMBELJ, Iztok, RUPNIK, Maja. Use of modified PCR ribotyping for direct detection of Clostridium difficile ribotypes in stool samples. Journal of clinical microbiology, ISSN 0095-1137, 2011, vol. 49, no. 8, str. 3024-3025, doi: 10.1128/JCM.01013-11. [COBISS.SI-ID 512133688], [JCR, SNIP, WoS do 14. 1. 2014: št. citatov (TC): 2, čistih citatov (CI): 2, normirano št. čistih citatov (NC): 1, Scopus do 19. 12. 2013: št. citatov (TC): 2, čistih citatov (CI): 2, normirano št. čistih citatov (NC): 1]

Vabljen predavanje
113. RUPNIK, Maja, RILEY, Tom. Update on clostridium difficile : invited lecture, presented at the 19th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), May 19, 2009 Helsinki. Helsinki, 2009. [COBISS.SI-ID 512094008]