

<b>Study program:</b> Medicine			
<b>Type and level of the study program:</b> Integrated academic studies			
<b>Course title:</b> Pain medicine (M5-PAME)			
<b>Teacher:</b> Biljana G. Drašković, Snežana T. Tomašević-Todorović, Milan B. Cvijanović, Svetlana S. Simić, Aleksandar Š. Kopitović, Sanja V. Vicković, Vladimir M. Papić, Dragana R. Radovanović, Anna S. Uram-Benka			
<b>Course status:</b> Elective			
<b>ECTS Credits:</b> 3			
<b>Condition:</b>			
<b>Course aim</b> The basic goal of this course is to recognize pain as a global health problem, as well as psychosocial pain dimensions and consequences of pain, pain assessment and therapy and implementation of acquired knowledge into practice. Development of critical opinion and ability for scientific research work.			
<b>Expected outcome of the course:</b> Providing students with knowledge about the complexity of pain phenomena. Pain classification by pain mechanisms and time duration. Recognition of pain relief as a basic human right and ethical imperative. Pharmacological and nonpharmacological methods and technology in pain therapy. Obstacles in efficacy of pain treatment. Use of opioid analgesics. Opiophobia and opioignorance. Examination of patient with pain and pain assessment. Documentation. Pain therapy choice. Pain relief estimation, adverse drug effects, assessment of pain therapy clinical outcome.			
<b>Course description</b> <i>Theoretical education</i>		11. Trigeminal neuralgia. Cervical and lumbar radiculopathy.	
1. Neuroanatomical substrates of nociception.		12. Minimally invasive procedure for the treatment of chronic pain.	
2. Definition and classification of pain.		13. Painful diabetic neuropathy. Postherpetic neuralgia.	
3. Pain as a health problem. Pain as a symptom and pain as a disease. Multidimensionality. Psychosocial and economic consequences.		14. Central pain syndromes.	
4. Acute pain, character, service to control acute pain.		15. Physical therapy in the treatment of chronic pain.	
5. Occasionally chronic pain.		<i>Practical education: exercises, other forms of education, research related activities</i>	
6. Pain assessment: unidimensional scales (VAS, NRS, VRS). Multidimensional scales and questionnaires.		1. Chronic pain treatment (noncancer pain)	
7. Pharmacological therapy: Non-opioid analgesics. Opioids. The routes of administration of drugs. Opiophobia.		2. Headache - treatment	
8. Coanalgesics: antidepressants, anticonvulsants and other adjuvant analgesics.		3. Acupuncture treatment of pain	
9. Migraine. Tension headache. Cluster headaches.		4. Chronic pain treatment (cancer pain)	
10. Acupuncture in the treatment of chronic pain.		5. Treatment of acute and chronic pain in children	
<b>Literature</b> <i>Compulsory</i> 1. Allman K, Wilson I, O'Donnell. Oxford handbook of anaesthesia. Oxford University Press 2011. <i>Additional</i> -			
<b>Number of active classes</b>			Other:
Lectures: 15	Practice: 30	Other types of teaching:	
<b>Teaching methods</b>			
<b>Student activity assessment (maximally 100 points)</b>			
<b>Pre-exam activities</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
Lectures	20	Written	
Practices	20	Oral	60
Colloquium			
Essay			