



Study program: Integrated Academic Studies in Medicine		
Course title: Pain Medicine		
Teacher: Biljana G. Drašković, Snežana T. Tomašević Todorović, Svetlana S. Simić, Aleksandar Š. Kopitović, Sanja V. Vicković, Dragana R. Radovanović, Ana S. Uram-Benka, Izabela M. Fabri Galamboš, Aleksandar Lj. Knežević		
Course status: optional		
ECTS Credits: 3		
Condition:		
Course aim The main aim of this course is to introduce to the student the concept of pain as a global, public health problem, and the components of biopsychosocial model of pain, evaluation of pain and pain therapy. Learning to implement knowledge into practice. Development of critical thinking and research work.		
Expected outcome of the course: Introducing students to the complex multidimensional pain phenomenon. Differentiation of pain according to mechanism of origin and duration. Introducing students to the right to eliminate pain as a basic human right. Evaluation of pain quantity and quality. Pain medication according to analgesic scale and pain quality. Pathways and techniques for pain medication and age-dependent comorbidity. Non-opioid and opioid analgesics. Opiophobia. Political and legal barriers to opioid use. Pain identification and assessment of pain intensity. The skill of choosing medicines for the treatment of pain		
Course description <i>Theoretical education</i> 1. Neuroanatomical substrates of nociception. 2. Definition and classification of pain (nociceptive and nonnociceptive). 3. Pain as a health problem. Pain as a symptom and pain as a disease. Multidimensionality. Psychosocial and economic consequences. 4. Acute pain, significance, acute pain control services. 5. Chronic cancer and non-cancer pain. 6. Pain assessment: Unidimensional scales (VAS, NRS, VRS). Multidimensional scales and questionnaires. 7. Pharmacological therapy: Non-opioid analgesics. Opioids. Ways to administer medication. Opiophobia. Equianalgetic tables. 8. Coanalgesics: antidepressants, anticonvulsants and other adjuvant analgesics. 9. Migraines. Tension headache. Cluster headache. 10. Acupuncture in chronic pain therapy. 11. Trigeminal neuralgia. Cervical and lumbar radiculopathies. 12. Minimally invasive procedures in chronic pain therapy. 13. Painful diabetic neuropathy. Postherpetic neuralgia. 14. Central pain syndromes. 15. Physical therapy in the treatment of chronic pain. <i>Practical education</i> 1. Outpatient clinic for chronic non-cancer pain 2. Headache Center 3. Acupuncture Center 4. Outpatient clinic for chronic cancer pain 5. Pain therapy in children		
Literature <i>Compulsory</i> 1. Drašković B. Anaesthesia and perioperative medicine 2019. (electronic version)		
Number of active classes	Theoretical classes: 15	Practical classes: 30
Teaching methods Lectures. Practical teaching: medical cases and discussion. Choice of pain medication (stepped approach) and discussion. Special medications and formulations. Informing the patient.		
Student activity assessment (maximally 100 points)		

Pre-exam activities	points	Final exam	points
Lectures	20	Written	60
Practices	20	Oral	
Colloquium		Practical	
Essay			