

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2025W/22	Course title: Surgery and Traumatology
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 3 / 2 hours per semester: 36 / 24 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites: KUZS/54R2016W/22	
Requirements for passing the course: Active participation in lectures. During the semester, there will be two written tests of knowledge, for each of which it is necessary to obtain a minimum grade of 60% to participate in the final exam. Final evaluation: the final evaluation will be based on passing the final test, the minimum evaluation of which will be 60%. Successful completion of the final test will be a condition for the final oral exam.	
Learning outcomes of the course: Objective of the course in terms of learning outcomes and competences To master theoretically the basic principles of surgical treatment of the most common surgical diseases and injuries in adults and children. To manage the care of a surgical patient in the preoperative and postoperative period. Theoretical knowledge: on the basis of theoretical knowledge, the student is able to identify the most important and most common disease states in surgery and traumatology. By basic examination and analysis of special examinations, it analyzes and synthesizes the symptoms and diagnostic conclusion, or is able to evaluate the necessity of surgical treatment.	
Course contents: 1. Characteristics of the department, historical development, interdisciplinary position. 2. Subjective and objective examination of a surgical patient. 3. Paraclinical examination methods in surgery. 4. Wounds, classification, physiology and pathology of wound healing, basics of wound care in surgery. 5. Asepsis and antisepsis in surgery. Principles and methods of disinfection and sterilization in surgery. 6. Anesthesia - local and general. Nature, physiological principles, methods and possible complications. 7. Infections in surgery - inflammation in general, general symptoms, anaerobic infections, surgical treatment of inflammation. Nosocomial infections in surgery - an overview, nature and the most important factors of the solution. 8. Parenteral and infusion nutrition in surgery. 9. Principles of drainage in surgery. 10. Transfusion and transfusion preparations.	

11. Dressing technique in surgery.
12. History and concept of trauma surgery.
13. Head and brain injuries.
14. Injuries of the spine and spinal cord
15. Peripheral nerve injuries.
16. Chest injuries.
17. Abdominal injuries.
18. Fractures - terminology. Fractures and damage to the musculoskeletal system.
19. Blast syndrome, crush syndrome.
20. Burns and frostbite - terminology, definition, evaluation, the most important treatments.
21. Polytrauma - definitions, triage - evaluation systems.
22. Sudden events - definition, basic division, the most important diagnostic methods and procedures.
23. Sudden abdominal bleeding events.
24. Sudden events of abdominal inflammation.
25. Sudden abdominal mechanical events.
26. Sudden events and shocks in surgery.

Recommended or required literature:

Language of instruction:

Slovak language or Czech language.

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 76

A	B	C	D	E	FX
22.37	31.58	22.37	15.79	7.89	0.0

Name of lecturer(s): doc. MUDr. Marián Šanta, CSc., MUDr. Peter Filipp

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.