

ORTHOPEDICS	
GENERAL INFORMATION	
Course coordinator	Assistant Professor Zoran Zelić, MD, PhD
Assistant/Associate	Assoc. Prof. Saša Rapan, MD, PhD Asst. Prof. Egon Biuk, MD, PhD Asst. Prof. Damir Hudetz, MD, PhD Asst. Prof. Damir Matoković, MD, PhD Asst. Prof. Hrvoje Pitlović, MD, PhD Vjekoslav Kolarević, MD, PhD Vjekoslav Wertheimer, MD
Study Programme	Integrated undergraduate and graduate university study of Medicine
Status of the course	Mandatory
Year of study, semester	5 th year, 9 th semester
ECTS	4
Workload (hours)	Lectures (28); Exercises (22)
Expected number of students	70
COURSE DESCRIPTION	
Course objectives	
Familiarize students with the injuries and diseases of the locomotor system in children and adults and train them in classes and exercises on how to diagnose and treat those injuries and diseases.	
Enrolment requirements and entry competencies	
The students has passed all exams from previous years.	
Learning outcomes at the Programme level	
1.1., 1.2.,2.1.,2.2.,3.1.	
Learning outcomes (5-10)	
After attending lectures and exercises, self-learning and successfully passing the exam, the students will be able to: <ol style="list-style-type: none"> 1. Understand the structure and function, and the biomechanics of the organism's locomotor system 2. Understand the fundamentals of the diagnosis of injuries and diseases of the locomotor system 3. Understand possible conservative and surgical treatment options in orthopedics 4. Understand the diagnosis and treatment of musculoskeletal tumors 5. Understand the specificities of diseases and injuries of the locomotor system in children 	
Course content	
Lectures Biomechanics, basic diagnostics, orthopedic surgery, developmental dysplasia of the hip, Pes equinovarus, torticollis, SCFE, degenerative diseases, hip arthrosis, Musculoskeletal tumors, musculoskeletal disorders, consequences of the palsy, juvenile osteochondrosis, musculoskeletal reconstructive surgery, chest wall deformities, scoliosis and kyphosis, degenerative knee diseases, TEP, degenerative spinal diseases, corrective osteotomies around the knee, shoulder and leg joint arthroscopy, Shoulder, upper arm, wrist and hand	
Exercises	

Orthopedic propedeutics, orthopedic patient examination, diagnosis of injuries and diseases of the locomotor system, rounds and conducting prescribed therapy in the Department of Orthopedics, medical record review, attendance at surgery, work in an orthopedic clinic (for adults and children)

Mode of teaching

Lectures; Clinical exercises

Student obligations

Students are expected to attend all class sessions, as well as to take all the examinations. However, they are allowed for excused absences, totalling 30% of all classes.

Monitoring student work (*alignment of learning outcomes, teaching methods, and grading*)

Teaching activity	ECTS	Learning outcome	Student activity	Assessment methods	Grade points	
					Min.	Max.
Attendance	1.0	1–5	Class attendance	Records	5	20
Exercises	1.0	1–5	Attendance and active participation in exercises	Records Exercise log	15	30
Final exam	2.0	1–5	Studying for the oral exam	Oral exam	30	50
Total	4.0				50	100

Evaluation of the final exam:

Student's answer	Grade points
The answer meets the minimum criteria	30.0
Average answer with notable mistakes	37.0
Very good answer with minor mistakes	44.0
Exceptional answer	50.0

Calculation of final grade:

Points achieved in class are combined with points achieved on the oral exam. The grading shall be carried out by using absolute distribution, i.e. shall be based on the final achievement and compared to the numerical system as follows:

A – excellent (5): 90.00-100 points; B – very good (4): 80.00-89.99 points;

C – good (3): 70.00-79.99 points; D – sufficient (2): 60.00-69.99 points;

E – sufficient (2): 54.99-59.99 points.

Required reading (available in the library and through other media)

Title	Number of copies in the library	Availability through other media
1. Marko Pećina, Miljenko Franić et al.: Kompendij ortopedije [Compendium of Orthopaedics]. Publisher: University of Applied Health Sciences in Zagreb and Josip Juraj Strossmayer University of Osijek, January 2022	9	

Additional reading
Course evaluation procedures
Anonymous, quantitative, standardized student survey providing feedback on the course as well as on the work of course coordinators and their assistants/associates is being conducted by the QA Office of the Faculty of medicine Osijek.
Note /Other
E-learning does not count towards course contact hours, but is being used in teaching and comprises links to various web pages, as well as video and audio materials available on web pages.