

University
of Ljubljana

Faculty
of *Medicine*



MUSCULOSKELETAL SYSTEM

LECTURE SYLLABUS, LITERATURE AND EXAMINATION INSTRUCTIONS FOR ERASMUS STUDENTS 2023/2024

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October 2023

MUSCULOSKELETAL SYSTEM AUTUMN 2023

	ORTHO	ORTHO	TRAUMA	PRM
1. WEEK				
13.11. M	Lectures FRM			
14.11. T	seminar 1	practice 2+5a	seminar 3	practice 4+5b
15.11. W	practice 1	seminar 2+5a	-	practice 4+5b
16.11. T	seminar 1	practice 2+5a	-	practice 4+5b
17.11. F	Lectures Traumatology			

ELECTIVE COURSES 20.11.-24.11.2023

2. WEEK				
27.11. M	Lectures Orthopaedics			
28.11. T	practice 1	seminar 2+5a	seminar 4+5b	practice 3
29.11. W	seminar 1	practice 2+5a	-	practice 3
30.11. T	practice 1 and 2+5a, radiol 11-13h*		-	practice 3
01.12. F	Lectures Plastic Surgery			

3. WEEK				
04.12. M	Lectures Orthopaedics			
05.12. T	practice 3	seminar 4+5b	seminar 2+5a	practice 1
06.12. W	seminar 3	practice 4+5b	-	practice 1
07.12. T	practice 3	seminar 4+5b		practice 1
08.12. F	Lectures Skeletal Radiology + Plastic Surgery			

4. WEEK				
11.12. M	Lectures Traumatology			
12.12. T	seminar 3	practice 4+5b	seminar 1	practice 2+5a
13.12. W	practice 3	seminar 4+5b	-	practice 2+5a
14.12. T	practice 3 and 4+5b, radiol 11-13h*			practice 2+5a
15.12. M				
18.12. M	WRITTEN EXAMINATION			

* Skeletal radiology seminar takes place in the "Veliki seminar" at the Institute of radiology, 1st floor of the University Medical Centre Ljubljana main building.

LECTURES - AUTUMN 2023

DATE: Monday, 13.11.2023, location URI Soča – Vrtnica, 4. floor

Schedule	Lecture title	Lecturer
08.30-09.15	Principles of physical rehabilitation medicine	Moharić
09.15-10.00	Assessment by International Classification of Functioning, Disability and Health	Burger
10.15-11.00	Physical medicine	Moharić
11.00-11.45	Rehabilitation of patients with CNS injuries	Bizovičar
12.00-12.45	Rehabilitation of patients with musculoskeletal injuries and peripheral nerve injuries	Novak

DATE: Friday, 17.11.2023, location Stara travmatološka klinika

Schedule	Lecture title	Lecturer
08.15-09.00	Fractures – classification, diagnostics, therapy	Tomažević
09.15-10.00	Pediatric fractures	Kastelec
10.15-11.00	Injuries of elbow and underarm	Kastelec
11.15-12.00	Pelvic injuries	Cimerman
12.15-13.00	Spinal injuries	Herman
13.15-14.00	Injuries of hip and femur	Ambrožič
14.15-15.00	Pathologic fractures	Komadina

DATE: Monday, 27.11.2023, location Ortopedska klinika

Schedule	Lecture title	Lecturer
08.15-09.00	Introduction to Orthopaedics	Antolič
09.15-10.00	Basic biomechanics and orthopaedic diagnostics	Mavčič
10.15-11.00	Degenerative, rheumatic diseases and tumors	Mavčič
11.15-12.00	Emergency cases in Orthopaedics	Stražar
12.15-13.00	Sports injuries	Stražar
13.15-14.00	Spine	Vengust

DATE: Friday, 01.12.2023, location Stara travmatološka klinika

Schedule	Lecture title	Lecturer
11.15-12.00	Congenital anomalies and complex hand reconstruction surgery	Pogorelec
12.15-13.00	Operative techniques of hand surgery	Ahčan
13.15-14.00	Hand injuries	Ahčan
14.15-15.00	Hand diseases	Rogelj
15.15-16.00	Surgical examination and anatomy of the hand	Arnež
16.15-17.00	Reconstruction of the upper limb	Ahčan/Lapoša

DATE: Monday, 04.12.2023, location Ortopedska klinika

Schedule	Lecture title	Lecturer
08.15-09.00	Growth, development and related orth. diseases	Drobnič
09.15-10.00	Foot and ankle	Drobnič
10.15-11.00	Treatment of orthopaedic diseases	Dolinar
11.15-12.00	Hip and pelvis	Dolinar
12.15-13.00	Knee and lower leg	Zupanc
13.15-14.00	Upper limb (shoulder, elbow, wrist)	Zupanc

DATE: Friday, 08.12.2023, location Ortopedska klinika

Schedule	Lecture title	Lecturer
07.30-08.15	Noninfective arthritis	Vogel
08.30-09.15	Degenerative changes	Limpel Novak
09.15-10.00	Bone tumors	Salapura
10.15-11.00	Bone scan - scintigraphy	Grmek

DATE: Friday, 08.12.2023, location Stara travmatološka klinika

<i>Schedule</i>	<i>Lecture title</i>	<i>Lecturer</i>
12.15-13.00	Reconstruction of the lower limb	Stritar
13.15-14.00	Surgery of peripheral nerves	Ahčan/Lapoša
14.15-15.00	Brachial plexus surgery	Rogelj
15.15-16.00	Surgical treatment of the facial nerve injury	Živec/Arnež

DATE: Monday, 11.12.2023, location Stara travmatološka klinika

<i>Schedule</i>	<i>Lecture title</i>	<i>Lecturer</i>
08.15-09.00	Injuries of shoulder girdle and upper arm	Kovačič
09.15-10.00	Injuries of wrist and hand	Havliček
10.15-11.00	Politrauma	Kristan
11.15-12.00	Osteitis	Gril
12.15-13.00	Soft-tissue injuries	Jug
13.15-14.00	Injuries of lower leg and foot	Frangež
14.15-15.00	Knee injuries	Malovrh

EXAMINATION - MUSCULOSKELETAL SYSTEM in the study year 2023/2024

PRACTICAL PART: Exercise log for each participating student shall determine the practical skills that students must master. A test of skills (and maybe patient examination) can take place during the exercises and be confirmed by mentor's signature. Collected signatures of 10 days participation at Musculoskeletal System practice (6 days Orthopaedics, 3 days PRM, 1 day Trauma) are the prerequisite for taking the examination.

WRITTEN EXAMINATION: Written exam is conducted in the week after the completion of the course. Written examination contributes 80 points (out of 100) to the grade and comprises of: multiple choice test (50 points = 25 questions physical medicine and rehabilitation, 20 questions traumatology, 5 questions musculoskeletal radiology) and 3 essay questions on orthopedics (30 points). The prerequisite for a positive grade and the oral exam is to achieve at least 15 points in the field of orthopedics, at least 13 points PRM, at least 11 points in traumatology and at least 3 points in skeletal radiology.

ORAL EXAMINATION: Oral examination takes place the next days after the written examination at the Chair of Orthopaedics as scheduled. Oral examination is conducted by the examiners of the Chair of Orthopedics and contributes 20 points to the evaluation grade. At the end of the exam the student obtains the grade of Musculoskeletal System based on the number of points achieved:

Number of points achieved	Grade
92-100	Excellent 10
84-91	Very Good 9
76-83	Very Good 8
68-75	Good 7
60-67	Satisfactory 6
0-59	Insufficient 5

REPEATING EXAMINATION / GRADE IMPROVEMENT: Repeating examination or grade improvement can only be carried out after prior application for another examination date according to the regulations of the Faculty of Medicine. The examination may be repeated only in whole (written and oral), points scored with previous tests cannot be reused.

LITERATURE - TEXTBOOKS

1. Hamblen DL, Simpson H: Adams's Outline of Orthopaedics 14th ed. Churchill Livingstone 2010.
2. Skinner HB: Current Diagnosis & Treatment in Orthopedics. Appleton & Lange 2013.
3. Staheli LT: Fundamentals of Pediatric Orthopedics. Lippincott-Raven 2008.
4. Andrew JG, Herrick AL, Marsh DR: Musculoskeletal Medicine and Surgery. Churchill Livingstone 2000.
5. McRae, Robert, Esser Max. Practical Fracture Treatment. ChurchLiv 2008
Section A: 1-5; Section B: 6-15
6. White Book on Physical and Rehabilitation Medicine in Europe. Journal of Rehabilitation Medicine, 2007, Supplement No. 45
7. International Classification of Functioning, Disability and Health. WHO Geneva 2001.
8. Ceravolo MG, Christodoulou N. Physical and rehabilitation medicine for medical students. Edi.Ermes, Milano 2018 (available at the digital learning room of the Faculty of Medicine).
9. Michael P. Barnes, Anthony B. Ward. Oxford Handbook of Rehabilitation Medicine 2005. Oxford University Press.
10. Stam HJ, Buyruk HM et al. Acute Medical Rehabilitation Vol 1 Textbook. VitalMed Medical Book Publishing 2012.

MUSCULOSKELETAL SYSTEM EXAMINATION DATES

18.12.2023 WRITTEN EXAMINATION (60 students)

12.02.2024 WRITTEN EXAMINATION (30 students)