

University
of Ljubljana

Faculty of
medicine



MUSCULOSKELETAL SYSTEM

LECTURE SYLLABUS, LITERATURE AND EXAMINATION INSTRUCTIONS FOR ERASMUS STUDENTS 2020/2021

izr. prof. dr. BLAŽ MAVČIČ, dr. med.
Chair of Orthopaedics
Zaloška 9, 1000 Ljubljana
01/522-4174
ortoped@mf.uni-lj.si

izr. prof. dr. MATEJ CIMERMAN, dr. med.
Katera za kirurgijo
Zaloška 7, 1000 Ljubljana
01/522-2525
kirurg@mf.uni-lj.si

doc. dr. METKA MOHARIĆ, dr. med.
*Chair of Physical Medicine and
Rehabilitation*
Linhartova 51, 1000 Ljubljana
01/475-8441
metka.moharic@mf.uni-lj.si

izr. prof. dr. VLADKA SALAPURA, dr. med.
*Chair of Radiology
(Skeletal Radiology)*
Zaloška 7, 1000 Ljubljana
01/522-3473
metka.zupancic@mf.uni-lj.si

prof. dr. MATEJ DROBNIČ, dr. med.
Coordinator of the subject "Musculoskeletal system"

October 2020

MUSCULOSKELETAL SYSTEM AUTUMN 2020

	ORTHO	ORTHO	TRAUMA	PRM
1. WEEK				
16.11. M	Lectures FRM			
17.11. T	seminar 1	practice 2	seminar 3	practice 4
18.11. W	practice 1	seminar 2	-	practice 4
19.11. T	seminar 1	practice 2	-	practice 4
20.11. F	Lectures Traumatology			

ELECTIVE COURSES 23.11.-27.11.2020

2. WEEK				
30.11. M	Lectures Orthopaedics			
01.12. T	practice 1	seminar 2	seminar 4	practice 3
02.12. W	seminar 1	practice 2	-	practice 3
03.12. T	practice 1	seminar 2	-	practice 3
04.12. F	Lectures Plastic Surgery			

3. WEEK				
07.12. M	Lectures Orthopaedics			
08.12. T	practice 4	seminar 3	seminar 2	practice 1
09.12. W	seminar 4	practice 3	-	practice 1
10.12. T	practice 4	seminar 3 and 2 radiol. 11-13h		practice 1
11.12. F	Lectures Skeletal Radiology + Plastic Surgery			

4. WEEK				
14.12. M	Lectures Traumatology			
15.12. T	seminar 3	practice 4	seminar 1	practice 2
16.12. W	practice 3	seminar 4	-	practice 2
17.12. T	seminar 3	seminar 4 and 1 radiol. 11-13h		practice 2
18.12. M				
21.12. W	WRITTEN EXAMINATION			

LECTURES - AUTUMN 2020

DATE: Monday, 16.11.2020, 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	Goljar
12.00-12.45	Rehabilitation of patients with musculoskeletal injuries and peripheral nerve injuries	Novak

DATE: Friday, 20.11.2020, 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	Pathological fractures	Komadina
11.15-12.00	Osteitis	Gril
12.15-13.00	Soft-tissue injuries	Jug
13.15-14.00	Shoulder-girdle and upper arm injuries	Senekovič
14.15-15.00	Elbow and lower arm injuries	Kastelec

DATE: Monday, 30.11.2020, location Ortopedska klinika

Schedule	Lecture title	Lecturer
08.15-09.00	Introduction to Orthopaedics	Antolič
09.15-10.00	Diagnostics in Orthopaedics	Mavčič
10.15-11.00	Orthopaedic diseases by symptoms and signs	Mavčič
11.15-12.00	Orthopaedic diseases by etiology	Stražar
12.15-13.00	Diseases of muscles, nerves and soft tissues	Stražar
13.15-14.00	Spine	Vengust

DATE: Friday, 04.12.2020, 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, 07.12.2020, location Ortopedska klinika

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

DATE: Friday, 11.12.2020, 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, 11.12.2020, 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: Friday, 14.12.2020, location Stara travmatološka klinika

<i>Schedule</i>	<i>Lecture title</i>	<i>Lecturer</i>
08.15-09.00	Wrist and hand injuries	Havliček
09.15-10.00	Spinal injuries	Simon Herman
10.15-11.00	Pelvic injuries	Cimerman
11.15-12.00	Hip and femoral injuries	Smrke
12.15-13.00	Knee injuries	Tomaž Malovrh
13.15-14.00	Foot and ankle injuries	Frangež
14.15-15.00	Polytrauma	Kristan

EXAMINATION - MUSCULOSKELETAL SYSTEM in the study year 2020/2021

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.

EXAMINATION: Examination is performed in written form only. It is conducted the next week after the completion of the course. The maximum number of points achieved at written examination is 100 points: multiple choice test (50 points = 25 questions physical medicine and rehabilitation, 20 questions traumatology, 5 questions musculoskeletal radiology), 3 essay questions on orthopedics (30 points) and 2 questions on orthopaedic clinical examination (20 points). The prerequisite for a positive grade is to achieve at least 25 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.

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

21.12.2020 WRITTEN EXAMINATION (60 students)

10.02.2021 WRITTEN EXAMINATION (30 students)