

Medicinski fakultet u Rijeci

## IZVEDBENI NASTAVNI PLAN 2023/2024

Za kolegij

### Orthopaedics

Studij:	<b>Medical Studies in English (R)</b> Sveučilišni integrirani prijediplomski i diplomski studij
Katedra:	<b>Katedra za ortopediju i fizikalnu medicinu</b>
Nositelj kolegija:	<b>doc. dr. sc. Prpić Tomislav, dr. med.</b>
Godina studija:	<b>5</b>
ECTS:	<b>3.5</b>
Stimulativni ECTS:	<b>0 (0.00%)</b>
Strani jezik:	<b>Mogućnost izvođenja na stranom jeziku</b>

## **Podaci o kolegiju:**

Orthopaedics is compulsory course on 5th year of study. It consists of 30 lectures and 32 practical hours (3,5 ECTS). Lectures and practicals will be organized at Clinic for orthopedic surgery Lovran, M. Tita 1, Lovran.

In the case of the unfavorable epidemiological situation educational process will be held online.

Learning outcomes:

- identify disorders and injuries of musculoskeletal system
- diagnose and explain causes of impairment of musculoskeletal system
- distinguish diagnostic and therapeutic procedures used to treat disorders and injuries of musculoskeletal system
- evaluate importance of right treatment method for orthopedic patient
- integrate acquired knowledge with general approach to the patient

## **Popis obvezne ispitne literature:**

1. Apley and Solomon's System of Orthopaedics and Trauma, 10th ed., CRC Press,2017

## **Popis dopunske literature:**

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## **Nastavni plan:**

### **Predavanja popis (s naslovima i pojašnjenjem):**

#### **L1. Introduction and history of orthopedics**

Acquiring knowledge about history of orthopedics .Get acquainted with goal of orthopedics

#### **L2. History,clinical examination, types of orthopaedic operations**

Get acquainted with basics in anamnesis , clinical examination, diagnostics and therapy in orthopedics

#### **L3. Diagnostic imaging (plain radiography,computed tomography,magnetic resonance imaging,ultrasound,radionuclide imaging)**

Get acquainted with diagnostic imaging methods encountered in diagnosis of orthopedic disorders. Describe and explain indications for each diagnostic method. Correlate results of diagnostic imaging with clinical examination

#### **L4. Tissues of musculoskeletal system**

Acquiring knowledge about tissues comprising musculoskeletal system

#### **L5. Normal bone healing**

Understanding mechanism of normal bone healing

#### **L6. Impaired bone healing**

Understanding causes of bone healing impairment

#### **L7. Bone remodelling and endocrine disorders of skeletal system**

Describe and explain mechanism of endocrine regulation of bone remodelling Acquiring knowledge about endocrine bone disorders

#### **L8.Metabolic disorders of skeletal system**

Get acquainted with major metabolic disorders of skeletal system

#### **L9., L10. Infections of musculoskeletal system**

Recognize and explain causes of infection of musculoskeletal system Know how to diagnose and treat bone infection

#### **L9., L10. Infections of musculoskeletal system**

Recognize and explain causes of infection of musculoskeletal system Know how to diagnose and treat bone infection

#### **L11., L12. Degenerative disorders of musculoskeletal system**

Describe and explain mechanism of musculoskeletal system degeneration Recognize and determine diagnostics and therapy in degenerative disorders of musculoskeletal system

#### **L13. Children's orthopedics: immature skeleton**

Get acquainted with immature skeleton and its specificity. Distinguish pediatric from adult musculoskeletal system

#### **L14. Children's orthopedics:the hip**

Describe and explain causes of pediatric hip disorders .Recognize and determine diagnostics and therapy of pediatric hip disorders

#### **L15. Children's orthopedics:the foot**

Describe and explain causes of pediatric foot disorders. Recognize and determine diagnostics and therapy protocol of pediatric foot disorders

#### **L16.,L17. The neck and pectoral girdle disorders**

Get acquainted with major disorders of neck and pectoral girdle. Learn how to diagnose and treat neck and pectoral girdle disorders

**L18., L19. The shoulder and upper arm**

Acquiring knowledge about shoulder and upper arm disorders. Recognize and determine diagnostics and therapy in shoulder and upper arm disorders.

**L20. i L21. The elbow and forearm**

Determine diagnostic and treatment protocol of elbow and forearm disorders

**L22. The wrist and the hand**

Get acquainted with major disorders affecting wrist and the hand. Selecting appropriate diagnostic and treatment method to solve disorder of wrist and the hand

**L23., L24. The hip and upper leg**

Recognize disorders of hip and upper leg. Determine diagnostics and therapy in hip and upper leg disorders

**L25.,L26 The knee and lower leg**

Describe knee and lower leg disorders. Determine diagnostic and treatment method for specific knee and lower leg disorder

**L27.,L28. The foot and ankle**

Recognize foot and ankle disorders. Determine appropriate diagnostic and treatment method in foot and ankle disorders

**L29.,L30 Tumors of musculoskeletal system**

Describe tumors of musculoskeletal system. Recognize and diagnose tumors of musculoskeletal system .Get acquainted with treatment options for musculoskeletal tumors.

**Vježbe popis (s naslovima i pojašnjenjem):****Practicals 1-5. History and clinical examination of the spine**

Following theoretical part apply practical knowledge of taking history and clinical examination of the spine

**Practicals 6-10. History and clinical examination of the hip and upper leg**

Following theoretical part apply practical knowledge of taking history and clinical examination of the hip and upper leg

**Practical 11-15. History and clinical examination of the knee and lower leg**

Following theoretical part apply practical knowledge of taking history and clinical examination of the knee and lower leg

**Practical 16-20. History and clinical examination of the foot and ankle**

Following theoretical part apply practical knowledge of taking history and clinical examination of the foot and ankle

**Practical 21-25. History and clinical examination of the shoulder, upper arm, elbow and lower arm**

Following theoretical part apply practical knowledge of taking history and clinical examination of the shoulder, upper arm, elbow and lower arm

**Practical 26-32. History and clinical examination of the wrist and the hand**

Following theoretical part apply practical knowledge of taking history and clinical examination of the wrist and the hand

**Obveze studenata:**

Attendance on lectures and practicals are mandatory. Communication between the teaching staff and students will take place by e-mail addresses (@uniri.hr)

## **Ispit (način polaganja ispita, opis pisanog/usmenog/praktičnog dijela ispita, način bodovanja, kriterij ocjenjivanja):**

Student assessment is carried out in accordance with the current University of Rijeka Study Regulations and the Student Regulations at the Faculty of Medicine Rijeka (adopted by the Faculty Council of the Faculty of Medicine Rijeka). Students' performance will be evaluated during the course and at the final exam. Out of a total of 100 credits, a student can earn 50 credits (50%) during the course, and 50 credits (50%) at the final exam. Student assessment is performed using ECTS (A-E) and number system (1-5). Student assessments in ECTS system is carried out by is performed by absolute distribution, and according to graduate assessment criteria. Out of a total of 50 credits that can be earned during the course, student must earn minimum 25 credits to take final exam.

### **I. During the course (maximum 50 credits):**

Obligatory colloquium I and II test (maximum up to 25+25 credits) During the course all students must take obligatory first colloquium earning maximum 25 credits (range 13-25 maximum). During course all students must take second obligatory colloquium aswell earning maximum 25 credits (range 13-25)

<b>grade</b>	<b>credits</b>
sufficient	13-15
good	16-19
very good	20-23
excellent	24-25

### **II. Final exam (maximum 50 credits):**

Final exam consists of obligatory written exam on Merlin platform in the form of essay. Student who earn 25 or more credits during the course can take final exam. Student who earn less than 25 credits during the course cannot take final exam. Final exam is scored maximal up to 50 credits. Final exam consists of 5 questions and brings 50 credits (range 25-50). To earn the credits student must pass 50% of final test. Correct answers are converted in credits by the following criteria:

<b>grade</b>	<b>credits</b>
sufficient	13-15
good	16-19
very good	20-23
excellent	24-25

For a passing grade during classes and on the final exam, student has to obtain minimum of 50 credits.

The ECTS grading system is defined by the following criteria: A - 90 -100% credits B - 80 - 89,9% credits C - 70 - 79,9% credits D - 60 - 69,9% credits E - 50 - 59,9% credits Grades in ECTS grading system are converted in numerical system by the following criteria: A = excellent (5) B = very good (4) C = good (3) D = sufficient (2) E = insufficient (1)

## **Ostale napomene (vezane uz kolegij) važne za studente:**

Course content and all information related to the course as well as exam dates can be found on the MedRi web pages. All student inquiries, regarding the course and possible problems, remarks and inquiries are provided exclusively using the official e-mail addresses (@medri.uniri.hr). It is possible to arrange consultations with the teaching staff during working hours.

## SATNICA IZVOĐENJA NASTAVE 2023/2024

Orthopaedics

<b>Predavanja</b> (mjesto i vrijeme / grupa)	<b>Vježbe</b> (mjesto i vrijeme / grupa)
<b>12.07.2023</b>	
L29.,L30 Tumors of musculoskeletal system: <ul style="list-style-type: none"><li>• Ortopedija - Lovran (18:00 - 20:00) [305]<ul style="list-style-type: none"><li>◦ O_393</li></ul></li></ul>	
doc. dr. sc. Prpić Tomislav, dr. med. [305]	
<b>26.02.2024</b>	
L1. Introduction and history of orthopedics: <ul style="list-style-type: none"><li>• ONLINE (08:00 - 08:45) [304]<ul style="list-style-type: none"><li>◦ O_393</li></ul></li></ul> L2. History,clinical examination, types of orthopaedic operations: <ul style="list-style-type: none"><li>• Ortopedija - Lovran (08:45 - 09:30) [304]<ul style="list-style-type: none"><li>◦ O_393</li></ul></li></ul> L3. Diagnostic imaging (plain radiography,computed tomography,magnetic resonance imaging,ultrasound,radionuclide imaging): <ul style="list-style-type: none"><li>• ONLINE (09:30 - 10:15) [305]<ul style="list-style-type: none"><li>◦ O_393</li></ul></li></ul> L4. Tissues of musculoskeletal system: <ul style="list-style-type: none"><li>• ONLINE (10:15 - 11:00) [305]<ul style="list-style-type: none"><li>◦ O_393</li></ul></li></ul> L5. Normal bone healing: <ul style="list-style-type: none"><li>• Ortopedija - Lovran (11:00 - 11:45) [301]<ul style="list-style-type: none"><li>◦ O_393</li></ul></li></ul>	
nasl. doc. dr. sc. Mađarević Tomislav, dr. med. [301] · doc. dr. sc. Prpić Tomislav, dr. med. [305] · prof. dr. sc. Šantić Veljko, dr. med. [304]	
<b>27.02.2024</b>	
	Practicals 1-5. History and clinical examination of the spine: <ul style="list-style-type: none"><li>• Ortopedija - Lovran (08:00 - 11:45) [1429][1950]<ul style="list-style-type: none"><li>◦ ORTHOPAEDICS A1</li><li>◦ ORTHOPAEDICS A2</li><li>◦ ORTHOPAEDICS B1</li><li>◦ ORTHOPAEDICS B2</li></ul></li></ul>
naslovni asistent Gulan Leo, dr. med. [1429] · naslovni asistent Tudor Karlo, dr. med. [1950]	
<b>28.02.2024</b>	

<p>L6. Impaired bone healing:</p> <ul style="list-style-type: none"> <li>• ONLINE (13:00 - 14:00) <sup>[300]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L7. Bone remodelling and endocrine disorders of skeletal system:</p> <ul style="list-style-type: none"> <li>• ONLINE (14:00 - 15:00) <sup>[301]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L8. Metabolic disorders of skeletal system:</p> <ul style="list-style-type: none"> <li>• ONLINE (15:00 - 16:00) <sup>[305]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L9., L10. Infections of musculoskeletal system:</p> <ul style="list-style-type: none"> <li>• ONLINE (16:00 - 18:00) <sup>[301]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul>	
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nasl.doc. dr. sc. Gržalja Nikola, dr. med. <sup>[300]</sup> · nasl. doc. dr. sc. Mađarević Tomislav, dr. med. <sup>[301]</sup> · doc. dr. sc. Prpić Tomislav, dr. med. <sup>[305]</sup>

### 29.02.2024

	<p>Practicals 1-5. History and clinical examination of the spine:</p> <ul style="list-style-type: none"> <li>• Ortopedija - Lovran (08:00 - 11:45) <sup>[1950]</sup> <sup>[1429]</sup> <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS B1</li> <li>◦ ORTHOPAEDICS B2</li> <li>◦ ORTHOPAEDICS C1</li> </ul> </li> </ul> <p>Practicals 6-10. History and clinical examination of the hip and upper leg:</p> <ul style="list-style-type: none"> <li>• Ortopedija - Lovran (08:00 - 11:45) <sup>[1950]</sup> <sup>[1429]</sup> <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS B1</li> <li>◦ ORTHOPAEDICS B2</li> <li>◦ ORTHOPAEDICS C1</li> </ul> </li> </ul>
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naslovni asistent Gulan Leo, dr. med. <sup>[1429]</sup> · naslovni asistent Tudor Karlo, dr. med. <sup>[1950]</sup>

### 01.03.2024

<p>L11., L12. Degenerative disorders of musculoskeletal system:</p> <ul style="list-style-type: none"> <li>• ONLINE (16:00 - 18:00) <sup>[299]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L13. Children's orthopedics: immature skeleton:</p> <ul style="list-style-type: none"> <li>• ONLINE (18:00 - 19:00) <sup>[305]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L14. Children's orthopedics: the hip:</p> <ul style="list-style-type: none"> <li>• ONLINE (18:00 - 19:00) <sup>[305]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L15. Children's orthopedics: the foot:</p> <ul style="list-style-type: none"> <li>• ONLINE (19:00 - 20:00) <sup>[305]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul>	
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nasl. izv. prof. dr. sc. Legović Dalen, dr. med. <sup>[299]</sup> · doc. dr. sc. Prpić Tomislav, dr. med. <sup>[305]</sup>

### 04.03.2024

	<p>Practicals 6-10. History and clinical examination of the hip and upper leg:</p> <ul style="list-style-type: none"> <li>• Ortopedija (08:00 - 11:45) <sup>[1429]</sup> <sup>[1950]</sup> <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS A1</li> <li>◦ ORTHOPAEDICS A2</li> <li>◦ ORTHOPAEDICS C1</li> </ul> </li> </ul>
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naslovni asistent Gulan Leo, dr. med. <sup>[1429]</sup> · naslovni asistent Tudor Karlo, dr. med. <sup>[1950]</sup>

<b>05.03.2024</b>	
<p>L16.,L17. The neck and pectoral girdle disorders:</p> <ul style="list-style-type: none"> <li>• ONLINE (12:00 - 14:00) <sup>[305]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L18., L19. The shoulder and upper arm:</p> <ul style="list-style-type: none"> <li>• ONLINE (14:00 - 16:00) <sup>[305]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L20. i L21. The elbow and forearm:</p> <ul style="list-style-type: none"> <li>• ONLINE (16:00 - 17:00) <sup>[305]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul>	
doc. dr. sc. Prpić Tomislav, dr. med. <sup>[305]</sup>	
<b>06.03.2024</b>	
	<p>Practical 11-15. History and clinical examination of the knee and lower leg:</p> <ul style="list-style-type: none"> <li>• Ortopedija - Lovran (08:00 - 11:45) <sup>[1950]</sup> <sup>[1429]</sup> <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS A1</li> <li>◦ ORTHOPAEDICS A2</li> <li>◦ ORTHOPAEDICS B1</li> <li>◦ ORTHOPAEDICS B2</li> </ul> </li> </ul>
naslovni asistent Gulan Leo, dr. med. <sup>[1429]</sup> · naslovni asistent Tudor Karlo, dr. med. <sup>[1950]</sup>	
<b>07.03.2024</b>	
<p>L20. i L21. The elbow and forearm:</p> <ul style="list-style-type: none"> <li>• ONLINE (16:00 - 17:00) <sup>[305]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L22. The wrist and the hand:</p> <ul style="list-style-type: none"> <li>• ONLINE (17:00 - 18:00) <sup>[302]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L23., L24. The hip and upper leg:</p> <ul style="list-style-type: none"> <li>• ONLINE (18:00 - 20:00) <sup>[305]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L25.,L26 The knee and lower leg:</p> <ul style="list-style-type: none"> <li>• ONLINE (19:00 - 20:00) <sup>[303]</sup> <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul>	
prof. dr. sc. Gulan Gordan, dr. med. <sup>[303]</sup> · izv. prof. dr. sc. Jotanović Zdravko, dr. med. <sup>[302]</sup> · doc. dr. sc. Prpić Tomislav, dr. med. <sup>[305]</sup>	
<b>08.03.2024</b>	
	<p>Practical 11-15. History and clinical examination of the knee and lower leg:</p> <ul style="list-style-type: none"> <li>• Ortopedija (08:00 - 11:45) <sup>[1429]</sup> <sup>[1950]</sup> <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS B1</li> <li>◦ ORTHOPAEDICS B2</li> <li>◦ ORTHOPAEDICS C1</li> </ul> </li> </ul> <p>Practical 16-20. History and clinical examination of the foot and ankle:</p> <ul style="list-style-type: none"> <li>• Ortopedija (08:00 - 11:45) <sup>[1429]</sup> <sup>[1950]</sup> <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS B1</li> <li>◦ ORTHOPAEDICS B2</li> <li>◦ ORTHOPAEDICS C1</li> </ul> </li> </ul>
naslovni asistent Gulan Leo, dr. med. <sup>[1429]</sup> · naslovni asistent Tudor Karlo, dr. med. <sup>[1950]</sup>	
<b>11.03.2024</b>	



	<p>Practical 16-20. History and clinical examination of the foot and ankle:</p> <ul style="list-style-type: none"> <li>• Ortopedija - Lovran (08:00 - 11:45) [1950] [1429] <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS A1</li> <li>◦ ORTHOPAEDICS A2</li> <li>◦ ORTHOPAEDICS C1</li> </ul> </li> </ul>
naslovni asistent Gulan Leo, dr. med. [1429] · naslovni asistent Tudor Karlo, dr. med. [1950]	
<b>12.03.2024</b>	
<p>L25.,L26 The knee and lower leg:</p> <ul style="list-style-type: none"> <li>• ONLINE (16:00 - 17:00) [303] <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul> <p>L27.,L28. The foot and ankle:</p> <ul style="list-style-type: none"> <li>• ONLINE (17:00 - 18:00) [304] <ul style="list-style-type: none"> <li>◦ O_393</li> </ul> </li> </ul>	
prof. dr. sc. Gulan Gordan, dr. med. [303] · prof. dr. sc. Šantić Veljko, dr. med. [304]	
<b>13.03.2024</b>	
<p>L22. The wrist and the hand:</p> <ul style="list-style-type: none"> <li>• Ortopedija - Lovran (08:00 - 11:45) [1429] [1950] <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS A1</li> <li>◦ ORTHOPAEDICS A2</li> <li>◦ ORTHOPAEDICS B1</li> <li>◦ ORTHOPAEDICS B2</li> </ul> </li> </ul> <p>L23., L24. The hip and upper leg:</p> <ul style="list-style-type: none"> <li>• Ortopedija - Lovran (08:00 - 11:45) [1429] [1950] <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS A1</li> <li>◦ ORTHOPAEDICS A2</li> <li>◦ ORTHOPAEDICS B1</li> <li>◦ ORTHOPAEDICS B2</li> </ul> </li> </ul> <p>L25.,L26 The knee and lower leg:</p> <ul style="list-style-type: none"> <li>• Ortopedija - Lovran (08:00 - 11:45) [1429] [1950] <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS A1</li> <li>◦ ORTHOPAEDICS A2</li> <li>◦ ORTHOPAEDICS B1</li> <li>◦ ORTHOPAEDICS B2</li> </ul> </li> </ul> <p>L27.,L28. The foot and ankle:</p> <ul style="list-style-type: none"> <li>• Ortopedija - Lovran (08:00 - 11:45) [1429] [1950] <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS A1</li> <li>◦ ORTHOPAEDICS A2</li> <li>◦ ORTHOPAEDICS B1</li> <li>◦ ORTHOPAEDICS B2</li> </ul> </li> </ul>	<p>Practical 21-25. History and clinical examination of the shoulder, upper arm, elbow and lower arm:</p> <ul style="list-style-type: none"> <li>• Ortopedija (08:00 - 11:45) [1950] [1429] <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS B1</li> <li>◦ ORTHOPAEDICS B2</li> <li>◦ ORTHOPAEDICS C1</li> </ul> </li> </ul>
naslovni asistent Gulan Leo, dr. med. [1429] · naslovni asistent Tudor Karlo, dr. med. [1950]	
<b>15.03.2024</b>	
	<p>Practical 26-32. History and clinical examination of the wrist and the hand:</p> <ul style="list-style-type: none"> <li>• Ortopedija (08:00 - 11:45) [1429] [1950] <ul style="list-style-type: none"> <li>◦ ORTHOPAEDICS A1</li> <li>◦ ORTHOPAEDICS A2</li> <li>◦ ORTHOPAEDICS C1</li> </ul> </li> </ul>
naslovni asistent Gulan Leo, dr. med. [1429] · naslovni asistent Tudor Karlo, dr. med. [1950]	

### Popis predavanja, seminara i vježbi:

<b>PREDAVANJA (TEMA)</b>	<b>Broj sati</b>	<b>Mjesto održavanja</b>
L1. Introduction and history of orthopedics	1	ONLINE
L2. History, clinical examination, types of orthopaedic operations	1	Ortopedija - Lovran
L3. Diagnostic imaging (plain radiography, computed tomography, magnetic resonance imaging, ultrasound, radionuclide imaging)	1	ONLINE
L4. Tissues of musculoskeletal system	1	ONLINE
L5. Normal bone healing	1	Ortopedija - Lovran
L6. Impaired bone healing	1	ONLINE
L7. Bone remodelling and endocrine disorders of skeletal system	1	ONLINE
L8. Metabolic disorders of skeletal system	1	ONLINE
L9., L10. Infections of musculoskeletal system	1	ONLINE
L9., L10. Infections of musculoskeletal system	2	
L11., L12. Degenerative disorders of musculoskeletal system	2	ONLINE
L13. Children's orthopedics: immature skeleton	1	ONLINE
L14. Children's orthopedics: the hip	1	ONLINE
L15. Children's orthopedics: the foot	1	ONLINE
L16., L17. The neck and pectoral girdle disorders	2	ONLINE
L18., L19. The shoulder and upper arm	2	ONLINE
L20. i L21. The elbow and forearm	2	ONLINE
L22. The wrist and the hand	1	ONLINE Ortopedija - Lovran
L23., L24. The hip and upper leg	2	ONLINE Ortopedija - Lovran
L25., L26. The knee and lower leg	2	ONLINE Ortopedija - Lovran
L27., L28. The foot and ankle	2	ONLINE Ortopedija - Lovran
L29., L30. Tumors of musculoskeletal system	2	Ortopedija - Lovran

<b>VJEŽBE (TEMA)</b>	<b>Broj sati</b>	<b>Mjesto održavanja</b>
Practicals 1-5. History and clinical examination of the spine	5	Ortopedija - Lovran
Practicals 6-10. History and clinical examination of the hip and upper leg	6	Ortopedija Ortopedija - Lovran
Practical 11-15. History and clinical examination of the knee and lower leg	6	Ortopedija Ortopedija - Lovran
Practical 16-20. History and clinical examination of the foot and ankle	5	Ortopedija Ortopedija - Lovran
Practical 21-25. History and clinical examination of the shoulder, upper arm, elbow and lower arm	5	Ortopedija
Practical 26-32. History and clinical examination of the wrist and the hand	5	Ortopedija

**ISPITNI TERMINI (završni ispit):**

1.	18.03.2024.
2.	05.09.2024.
3.	19.09.2024.