

Programme of Study	:	General Medicine
Course	:	Orthopedics
Abbreviation	:	ORT/VA011
Schedule	:	Lectures (36 hours) Seminars (24 hours) Practical training fellows (54 hours)
Course Distribution	:	5 th year, subject both semesters
Number of Credits	:	4
Course form	:	Lectures, seminars, practical training

Principal lecturer: odb. as. MUDr. Jiří Lošťák, Ph.D.
Lecturers: prof. MUDr. Jiří Gallo, Ph.D.
 assoc. prof. MUDr. Miroslav Pach, Ph.D.
 odb. as. MUDr. Michal Svoboda, Ph.D.
 odb. as. MUDr. Martin Hobza, Ph.D.
 odb. as. MUDr. Martin Obhlídal
 odb. as. MUDr. Tomáš Doubek
 as. MUDr. Erik Fidler
 as. MUDr. Martin Gajdošík
 as. MUDr. Martin Kopicár
 as. MUDr. David Melecký
 as. MUDr. Eva Nieslaniková
 as. MUDr. Matúš Sloviak
 as. MUDr. Michal Štefančík
 as. MUDr. Martin Zerák
 MUDr. Matej Smižanský, Ph.D.
 MUDr. Marek Večeřa

Terms: **19. 9. - 14. 10. 2022**
17.10. - 11. 11. 2022

Content of the practical training:

3 weeks of teaching at the Orthopaedic department (lectures, seminars and practical training),
1 week at the Neurosurgery department.

Changes of lecturers and topics are reserved, it is fully in the competence of the principal lecturer.

Lectures

First and second week of teaching (Monday – Friday), classroom - ground floor, from 7:45 a.m. to 12:30 p.m.

Seminars

The seminars discuss topics, that are not the subject of lectures (see the schedule of seminars). Students take part in the examination of patients in the department of the clinic, they will participate in the obtaining of the patient history. In the seminars, students will have an opportunity to consult with the lecturers about the difficult patients and also preparing for the orthopaedic examination. The half of students will place reciprocally to individual workplaces every day (wards, surgeries, operating theatres), where students will be familiarized with the operation of our department.

Practical training

Take place every third and fourth week of teaching (Monday – Thursday) from 7:45 a.m. to 12:30 p.m. The students are divided into 2 groups, each of which complete in practical exercises at the Department of Orthopaedics and at the Department of Neurosurgery.

1st week

MONDAY	8:00 – 12:30	<p style="text-align: center;">8:00-8:15 Introduction to the organization of teaching ORT clinics <u>J. Lošťák (Deputy head for teaching)</u></p> <p style="text-align: center;">Lecture 1 Introduction into Orthopaedics Current position of orthopaedics, perspectives Basic operations on bones and joints Acute events in orthopaedics Metabolic bone disease in adult <u>Lecturer: J. Gallo/ M. Večeřa</u></p>	
TUESDAY	7:45 – 10:00	<p style="text-align: center;">Group A Clinical practice Outpatient, operating room</p>	<p style="text-align: center;">Group B Seminar Department visit Knee examination</p>
	10:15 – 12:30	<p style="text-align: center;">Lecture 2 Static disorders of the lower extremities except foot Arthroscopic surgeries of joint affection Instability of the knee and shoulder <u>Lecturer: J. Lošťák/ M. Hobza</u></p>	
WEDNESDAY	7:45 – 10:00	<p style="text-align: center;">Group A Seminar Department visit Knee examination</p>	<p style="text-align: center;">Group B Clinical practice Outpatient, operating room</p>
	10:15 – 12:30	<p style="text-align: center;">Lecture 3 Degenerative joint diseases Arthroplasty, basic principles, biomaterials, complications Arthroplasty failure <u>Lecturer: Ľ. Baláž/ M. Pach</u></p>	
THURSDAY	7:45 – 10:00	<p style="text-align: center;">Group A Clinical practice Outpatient, operating room</p>	<p style="text-align: center;">Group B Seminar Shoulder and hip examination</p>
	10:15 – 12:30	<p style="text-align: center;">Lecture 4 Developmental dysplasia of the hip Slipped capital femoral epiphysis Legg-Calvé-Perthes disease <u>Lecturer: E. Fidler/ M. Zerák</u></p>	
FRIDAY	7:45 – 10:00	<p style="text-align: center;">Group A Seminar Shoulder and hip examination</p>	<p style="text-align: center;">Group B Clinical practice outpatient, operating room</p>
	10:15 – 12:30	<p style="text-align: center;">Lecture 5 Orthopaedic follow-up care after accidents: non-union, incongruence, deformity, necrosis, chondrolysis <u>Lecturer: M. Smižanský/ M. Sloviak</u></p>	

2nd week

MONDAY	7:45 – 10:00	Group A Clinical practice Outpatient, operating room	Group B Seminar Ankle and foot examination
	10:15 – 12:30	Lecture 6 Benign tumours of the musculoskeletal system Tumour like lesions Malignant tumours of the musculoskeletal system Lecturer: E. Nieslaniková/ T. Doubek	
TUESDAY	7:45 – 10:00	Group A Seminar Ankle and foot examination	Group B Clinical practice Outpatient, operating room
	10:15 – 12:30	Lecture 7 Deformities and diseases of the adult leg Lecturer: M. Obhlídal/ M. Sloviak	
WEDNESDAY	7:45 – 10:00	Group A Clinical practice Outpatient, operating room	Group B Seminar Hand and wrist examination
	10:15 – 12:30	Lecture 8 Osteonecrosis in adults Hemophilia Technical orthopaedics (limb-length discrepancy, amputations...); diabetic foot; handicapped, seniors – orthop. aspects Lecturer: M. Svoboda/ Ľ. Baláž	
THURSDAY	7:45 – 10:00	Group A Seminar Hand and wrist examination	Group B Clinical practice Outpatient, operating room
	10:15 – 12:30	Lecture 9 Cerebral palsy, Clubfoot, Deformities and diseases of the infant leg, Rickets Lecturer: M. Zerák/ E. Fidler	
FRIDAY	8:00 – 12:30	Lecture 10 Inflammatory dis. of the bones and joints, + TBC Inflammatory d. of the tendons, muscles, enthesopathy „Free ride“/discussion Lecturer: T.Doubek/ M. Sloviak	

In case of any educational problems, do not hesitate to contact principal lecturer.

Completed by: Oral exam

Requirements: Conditions for acquiring credit are student's active co-operation during the course. Allowed excused absence - 1 day. In this case contact Kateřina Marková – katerina.markova@fnol.cz

Recommended literature:

1. **Skinner, H.B.:** Current Diagnosis and Treatment in Orthopaedics. 5th edition New York: McGraw-Hill Comp., 2014.
2. McRae, R.: Clinical Orthopaedic Examination, 6th edition London: Churchill Livingstone, Elsevier; 2010. ISBN 978-0-7020-3393-3.
3. **Dandy D.J.: Essential orthopaedics and trauma.** 5th edition London: Churchill Livingstone, 2009, pp. 504. ISBN13 9780443067181. E-Book.

Lectures schedule: Lectures, exercises/seminars and practical training –
Starting at 7:45 a.m.

Location: **Department of Orthopaedics (ground floor - right side)**

During the practical training and exercises at the Department of Orthopaedics **own white clothes are required.**

MUDr. Jiří Lošťák, Ph.D.
Deputy head for teaching

prof. MUDr. Jiří Gallo, Ph.D.
Head of the Dept. of Orthopaedics

Olomouc 17. 7. 2022