

UNIVERSITY OF ZAGREB SCHOOL OF MEDICINE

Plan of the course

Orthopaedics

Academic year **2016/2017**

prof. dr. sc. Domagoj Delimar

I. COURSE AIMS

COURSE AIMS:

1. To give students knowledge and understanding of the function of the bone and joint system in healthy individuals and in diseases
2. To give students necessary knowledge to be able to make early and correct diagnosis of most common diseases, injuries and deformities of the bone and joint system. This will be at the level suitable for GP and it will be integrated with General and Family Medicine practice. It will also include preventive measures for the community in order to preserve health of the bone and joint system.
3. The course should prepare students to incorporate gained knowledge and to be capable to help in rehabilitation and restoring social functions of individuals with disability and invalidity

According to the aims, necessary knowledge and skills after the course will be understanding of the: anatomy, pathology, physiology, radiology, imaging techniques, neurology, surgery in bone and joint surgery and traumatology.

II. COURSE STRUCTURE

Course hours:

Lectures: 8

Seminar: 20

Clinical practicals: 32

Total hours: 60

Lectures (L): 8 h

Seminars (S): 16 h

Practicals (P): 36 h

Total: 60 h

III. PLAN OF THE COURSE AND COURSE SCHEDULE

BLOCKS OF THE COURSE

Number of blocks: 1

Block number	Start	End
1.	26.9.2016	7.10.2016

BLOCKS OF THE COURSE

Number of blocks: 1

Block number	Start	End
1.	26.9.2016	7.10.2016

BLOCKS OF THE COURSE SCHEME

Block 1

Date	Time	Group	Course hours type	Theme	Teaching staff
Monday 26.9.2016.	09:00-10:30; Klinika za ortopediju	All	Seminar	Clinical orthopaedic examination, Operative treatment in orthopaedics, Radiological imaging in orthopaedics	dr. sc. Tomislav Smoljanović
	10:30-13:30; ORTOPED Odjel	A,F	Clinical practicals	Children's orthopaedics and spine + Bone bank	Ozren Kubat, dr. med., mr. sc. Mislav Čimić
	10:30-13:30; ORTOPED Ambulante	B,C	Clinical practicals	Practicals - outpatient ambulance	izv. prof. dr. sc. Tomislav Đapić, doc. dr. sc. Ivan Bojanić
	10:30-13:30; ORTOPED Operacijske dvorane	D,E	Clinical practicals	Practicals - operating room	prof. dr. sc. Domagoj Delimar, doc. dr. sc. Goran Bičanić, dr. sc. Tomislav Smoljanović
Tuesday 27.9.2016.	09:00-10:30; Klinika za ortopediju	All	Lectures	Paediatric hip	izv. prof. dr. sc. Tomislav Đapić
	10:30-13:30; ORTOPED Odjel	D,E	Clinical practicals	Children's orthopaedics and spine + Bone bank	Krešimir Crnogaća, dr. med., Ozren Kubat, dr. med.
	10:30-13:30; ORTOPED Ambulante	A,F	Clinical practicals	Practicals - outpatient ambulance	dr. sc. Tomislav Smoljanović, prof. dr. sc. Domagoj Delimar
	10:30-13:30; ORTOPED Operacijske dvorane	B,C	Clinical practicals	Practicals - operating room	doc. dr. sc. Ivan Bojanić, izv. prof. dr. sc. Mislav Jelić
Wednesday 28.9.2016.	09:00-10:30; Klinika za ortopediju	All	Lectures	Injuries and diseases of knee joint	izv. prof. dr. sc. Mislav Jelić
	10:30-13:30; ORTOPED Odjel	B,C	Clinical practicals	Children's orthopaedics and spine + Bone bank	Damjan Dimnjaković, dr. med., Martina Katić, dr. med.
	10:30-13:30; ORTOPED Ambulante	D,E	Clinical practicals	Practicals - outpatient ambulance	izv. prof. dr. sc. Tomislav Đapić, doc. dr. sc. Goran Bičanić
	10:30-13:30; ORTOPED Operacijske dvorane	A,F	Clinical practicals	Practicals - operating room	doc. dr. sc. Ivan Bojanić, dr. sc. Tomislav Smoljanović, prof. dr. sc. Domagoj Delimar
Thursday 29.9.2016.	09:00-10:30; Klinika za ortopediju	All	Lectures	Injuries and diseases of the hand, wrist and elbow joint	doc. dr. sc. Ivan Bojanić
	10:30-13:30; ORTOPED Odjel	A,D	Clinical practicals	Upper extremity + Wound suturing	Alan Mahnik, dr. med., Mario Josipović, dr. med.
	10:30-13:30; ORTOPED Ambulante	B,E	Clinical practicals	Practicals - outpatient ambulance	prof. dr. sc. Miroslav Smerdelj, izv. prof. dr. sc. Mislav Jelić
	10:30-13:30; ORTOPED Operacijske dvorane	C,F	Clinical practicals	Practicals - operating room	doc. dr. sc. Goran Bičanić, prof. dr. sc. Domagoj Delimar, doc. dr. sc. Ivan Bojanić
Friday 30.9.2016.	09:00-10:30; Klinika za ortopediju	All	Lectures	Hip and knee arthroplasty	prof. dr. sc. Domagoj Delimar

Date	Time	Group	Course hours type	Theme	Teaching staff
	10:30-13:30; ORTOPED Odjel	C,F	Clinical practicals	Upper extremity + Wound suturing	dr. sc. Ivan Bohaček, Katarina Barbarić, dr. med.
	10:30-13:30; ORTOPED Ambulante	A,D	Clinical practicals	Practicals - outpatient ambulance	dr. sc. Igor Šmigovec, mr. sc. Mislav Čimić
	10:30-13:30; ORTOPED Operacijske dvorane	B,E	Clinical practicals	Practicals - operating room	dr. sc. Tomislav Smoljanović, izv. prof. dr. sc. Tomislav Đapić, izv. prof. dr. sc. Mislav Jelić
Monday 3.10.2016.	09:00-10:30; Klinika za ortopediju	All	Seminar	Injuries and diseases of shoulder, Bone bank and bone transplantation	doc. dr. sc. Goran Bičanić
	10:30-13:30; ORTOPED Odjel	B,E	Clinical practicals	Upper extremity + Wound suturing	Danijel Matek*, dr. med., Martina Katić, dr. med.
	10:30-13:30; ORTOPED Ambulante	C,F	Clinical practicals	Practicals - outpatient ambulance	izv. prof. dr. sc. Mislav Jelić, izv. prof. dr. sc. Tomislav Đapić
	10:30-13:30; ORTOPED Operacijske dvorane	A,D	Clinical practicals	Practicals - operating room	prof. dr. sc. Domagoj Delimar, doc. dr. sc. Goran Bičanić
Tuesday 4.10.2016.	09:00-12:00; KBC, Klinički zavod za rehabilitaciju i ortopedska pomagala, Predavaonica	All	Seminar	Orthotics and prosthetics	mr. sc. Neven Kauzlarić
	12:30-14:00; Klinika za ortopediju	All	Seminar	Deformities of the spine	izv. prof. dr. sc. Vladimir Kovač
Wednesday 5.10.2016.	09:00-10:30; Klinika za ortopediju	All	Seminar	Tumors of the bone and joint system	prof. dr. sc. Miroslav Smerdelj
	10:30-13:30; ORTOPED Odjel	A,C	Clinical practicals	Lower extremity	Krešimir Crnogaća, dr. med., Damjan Dimnjaković, dr. med.
	10:30-13:30; ORTOPED Ambulante	B,F	Clinical practicals	Practicals - outpatient ambulance	izv. prof. dr. sc. Tomislav Đapić, doc. dr. sc. Goran Bičanić
	10:30-13:30; ORTOPED Operacijske dvorane	D,E	Clinical practicals	Practicals - operating room	doc. dr. sc. Ivan Bojanić, dr. sc. Tomislav Smoljanović, prof. dr. sc. Domagoj Delimar
Thursday 6.10.2016.	09:00-10:30; Klinika za ortopediju	All	Seminar	Injuries and diseases of ankle	doc. dr. sc. Ivan Bojanić
	10:30-13:30; ORTOPED Odjel	D,E	Clinical practicals	Lower extremity	Alan Mahnik, dr. med., Mario Josipović, dr. med.
	10:30-13:30; ORTOPED Ambulante	A,C	Clinical practicals	Practicals - outpatient ambulance	izv. prof. dr. sc. Mislav Jelić, Danijel Matek*, dr. med.
	10:30-13:30; ORTOPED Operacijske dvorane	B,F	Clinical practicals	Practicals - operating room	prof. dr. sc. Domagoj Delimar, dr. sc. Tomislav Smoljanović, doc. dr. sc. Ivan Bojanić

Date	Time	Group	Course hours type	Theme	Teaching staff
Friday 7.10.2016.	09:00-10:30; Klinika za ortopediju	All	Seminar	Disorders of adult foot, Infections of bone and joint system	doc. dr. sc. Goran Bičanić
	10:30-13:30; ORTOPED Odjel	B,F	Clinical practicals	Lower extremity	dr. sc. Ivan Bohaček, Katarina Barbarić, dr. med.
	10:30-13:30; ORTOPED Ambulante	D,E	Clinical practicals	Practicals - outpatient ambulance	dr. sc. Igor Šmigovec, mr. sc. Mislav Čimić
	10:30-13:30; ORTOPED Operacijske dvorane	A,C	Clinical practicals	Practicals - operating room	izv. prof. dr. sc. Tomislav Đapić, izv. prof. dr. sc. Mislav Jelić

Lectures and seminars will take place in hall:

1. Lecture room, Department of Orthopaedic Surgery, Šalata 7,
2. Zavod za ortopedsku pomagala, Božidarevića 11

IV. EXAMINATIONS

Types of examination and examination dates

At the end of the first week students have colloquies in preliminary general orthopaedic knowledge: diagnosis in orthopaedics; principles of treatment, infections, degenerative diseases, main bone and joint disorders.

At the end of the second week students have colloquies in clinical orthopaedic examination. Final exam includes oral exam in theoretical orthopaedic knowledge.

	Date
Regular terms	
Winter	all the time
Summer	all the time
Autumn	all the time

Additional terms

1. where necessary

V./I. LIST OF LECTURERS AND TEACHING STAFF

1. doc. dr. sc. Ivan Bojanić
2. prof. dr. sc. Domagoj Delimar
3. izv. prof. dr. sc. Tomislav Đapić
4. dr. sc. Tomislav Smoljanović
5. mr. sc. Mislav Čimić
6. izv. prof. dr. sc. Mislav Jelić

V./II EXTERNAL ASSOCIATES:

1. mr. sc. Neven Kauzlarić
2. izv. prof. dr. sc. Vladimir Kovač
3. dr. sc. Igor Šmigovec
4. Katarina Barbarić, dr. med.
5. Mario Josipović, dr. med.
6. Alan Mahnik, dr. med.
7. Martina Katić, dr. med.
8. doc. dr. sc. Goran Bićanić
9. Ozren Kubat, dr. med.
10. Danijel Matek*, dr. med.
11. Damjan Dimnjaković, dr. med.
12. Krešimir Cmogaća, dr. med.

V./III UNTENURED LECTURERS:

1. dr. sc. Ivan Bohaček
2. prof. dr. sc. Miroslav Smerdelj

VI. LITERATURE

A. Obligatory

01. Solomon, L., Warwick, D., NAYagam, S. Apley's System of Orthopaedics and Fractures, Ninth edition, Hodder Arnold, 2010

02. Miller, M. Review of Orthopaedics: Expert Consult - Online and Print, 6e, Saunders, 2012

03. Handouts for lectures, seminars, and practical work

B. Additional

01. Mcrae, R. Clinical Orthopaedic Examination. Churchill Livingstone; 6th ed., 2010.

02. Weinstein, SL, Buckwalter, JA. Turek's Orthopaedics: Principles and Their Application. Lippincott Williams & Wilkins; 6th ed., 2005.

03. Mcrae, R., Esser, M. Practical Fracture Treatment. Churchill Livingstone; 5th ed., 2008.