

The Hebrew University of Jerusalem

Syllabus

ORTHOPEDICS-FIFTH YEAR - 96520

Last update 23-10-2023

HU Credits: 3

Degree/Cycle: 2nd degree (Master)

Responsible Department: Medicine

Academic year: 0

Semester: Yearly

Teaching Languages: Hebrew

Campus: Ein Karem

Course/Module Coordinator: Dr. Yechiel Gellman, Dr. Ori Safran

Coordinator Email: ygellman@gmail.com

Coordinator Office Hours: Sunday 8-15

Teaching Staff:

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Dr. ROY HOROVITZ,
Dr. MATAN HEMLI,
Dr. TAREQ NASSAR,
Dr. NASRAWY TAREK,
Dr. MAXIM GORDON,
Dr. ERIK SLAS,
Dr. ABED ELNABI,
Dr. Khaled AWAD,
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Yadin Levy,
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Prof. Daniel Cohen,
Nachum Greenberg,
Dr. SHLOMO BLUM,
Avraham Altergot,
Dr. Alan Katz,
Yaakov Tolwin,
Joshua Cohen,
Danny Cohen,
Oren Sarig,
Tamar Berenstein,
Sameh Abu-Rmeileh,
Yuri Mishukov,
Amjad Hammad,
Yehuda Weill,
Assaf Hamawi,
Kobi Steinberg,
Gershon Zinger,
Amos Peyser,
Yair Barzilay,
Dr. harel arazi,

Alexander Bregman,
Dr. Ehud Lebel,
Ruth Fan,
Perry Kurain Blank,
Muhamad Abu-tir,
Muhamad Mouhalwas,
Dr. Amit Davidson,
Moshe Stavsky,
Shlomo Bloom,
Daniel Spiner,
Ahmad Sharabati,
Haled Hatib,
Rafaat Akil,
Daniel Abdayeb,
Elad Haratz,
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Amir Elbedour,
Maria Oulianski,
Boris Konevsky,
Lev Ginzberg,
Amir Herman,
Haim izchak,
asaf raviv,
Yigal Bronstein,
Oded Stav,
Dr. ,
Izhar Arieli,
Lev Lapidus,
Alexander Kaban,
Tavor Hovav,
Gil Ganot,
Nir Gafni

Course/Module description:

The Course for General Orthopedics for fifth year medical students, is given at the four campuses (Hadassah Ein Kerem, Hadassah Mount Scopus, Kaplan Medical

Center and Shaare Zedek Medical Center)

The duration of the course is three weeks, according to student groups.

Course/Module aims:

Teach basic orthopedic surgery at the level required by every general practitioner and identifying situations where an orthopedic surgeon intervention is needed. In addition, basic experience in surgical skills (sutures, etc.) and orthopedics.

Learning outcomes - On successful completion of this module, students should be able to:

At the end of the course, the students should be able to:

1. Take orthopedic history and perform an orthopedic physical examination.
2. Understand the pathophysiology of the more common orthopedic problems.
3. Basic management of orthopedic patients including diagnostic and therapeutic approaches to musculoskeletal disorders (both conservative and surgical).
4. Identify orthopedic emergencies and optimize treatment accordingly.
5. Understanding the relationship between orthopedic care and other medical fields.
6. Exposure to the orthopedic system, in both the clinical and research aspects.

Attendance requirements(%):

80

Teaching arrangement and method of instruction: lectures, Emergency Room, Clinics, Operating Rooms, Bedside Teaching, PBL Cases for Group Discussions

Course/Module Content:

Basic Orthopedics - Introduction to Fractures, Hip and Distal Radius Fractures, Ankle Sprains

Shoulder Orthopedics - Shoulder instability, discharges, Rotator cuff tears

Pediatric Orthopedics - DDH, Partes, SCFE, transient synovitis, elbow dislocation, supracondylar fractures

Hand Orthopedics - CMC OA, Carpal Canal, Trigger Finger

Foot Orthopedics - Diabetic Foot, Charcot Disease, Flat Foot, Hallux valgus

Spine Orthopedics - Fractures, degenerative diseases, discopathy, whiplash, back pain, spinal infections

Sports Orthopedics - Tears in the anterior cruciate ligament, Meniscus tears, labrum tears

Oncology Orthopedics

Joint replacement - OA of hip and knee joints, AVN

Required Reading:

- * Chapters From Dr. Eran Tamir's book "Orthopedics" the requested chapters are under "Reading Materials" on the Moodle website
- * Recorded lectures from various department doctors
- * Physical test videos, which are also on the Moodle site

Additional Reading Material:

- * Orthopedics book and articles
- * AO website
- * Orthobullets website

Grading Scheme:

Written / Oral / Practical Exam 70 %

Essay / Project / Final Assignment / Home Exam / Referat 20 %

Attendance / Participation in Field Excursion 10 %

Additional information:

Course assignments are listed on the course web page.

The entrance exam (course grade 96506) constitutes 10 percent of this course grade.