



The Hebrew University of Jerusalem

Syllabus

Orthopedic medicine and rehabilitation in occupational therapy - 99729

Last update 23-10-2019

HU Credits: 3

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Occupational Therapy

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Danit Langer

Coordinator Email: danit.langer@mail.huji.ac.il

Coordinator Office Hours: 9:00-15:00

Teaching Staff:

Dr. Yahav Levy
Dr. ran shabtai
Dr. Danit Langer
Ms. Shira Kraus

Course/Module description:

This course deals with the treatment and rehabilitation of individuals with orthopedic injuries. The first part covers a range of diagnoses and their medical treatment, and the second part covers the rehabilitation process in occupational therapy

Course/Module aims:

*- provide students with an introduction to diseases, tests and principles of medical intervention
- to introduce students to the role of the occupational therapist in the process of rehabilitation of orthopedic diseases and injuries*

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

- 1. Differentiate between a variety of orthopedic diagnoses*
- 2. Identify and describe the symptoms of common orthopedic diagnoses*
- 3. describe intervention approaches in orthopedic OT*
- 4. recommend appropriate OT intervention*

Attendance requirements(%):

80%

Teaching arrangement and method of instruction: Lectures, examples, visit to the orthopedic department of Hadassah hospital

Course/Module Content:

- 1. Treatment and diagnosis of pain*
- 2. Common trauma issues in orthopedics*
 - fractures: types, biological process of healing*
 - general treatment, common complications and the rehabilitation process*
 - examples of fractures: hip, ankle, wrist*
 - childhood fractures*

3. Joint injuries

- fractures in the joints: characteristics, intervention, complications
- sports injuries: characteristics, intervention, complications
- overuse
- shoulder dislocation: characteristics, intervention, complications

4. Orthopedic trauma

- complexities and principles of intervention in terms of open wounds, multiple injuries, injured organs, soft tissue injury, blood system injury, neurological injury

5. Joint disease

- characteristics, intervention, surgery
- joint replacement

6. The spinal cord

- spinal injury and fractures
- deformities of the spinal column
- lower back pain

7. neuro-musculoskeletal disease

8. childhood orthopedic diseases

9. Bone and joint infections

10. Joint disease

11. tumours in the skeletal system

12. introduction to prostheses

13. amputations

Required Reading:

Given separately

Additional Reading Material:

Given separately

Course/Module evaluation:

End of year written/oral examination 80 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 20 %

Other 0 %

Additional information:

Pass mark 70