

## *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](mailto:danit.langer@mail.huji.ac.il)

*Coordinator Office Hours:* 9:00-15:00

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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*

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### *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*

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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