



# *The Hebrew University of Jerusalem*

## *Syllabus*

### *ONCOLOGY - FIFTH YEAR - 96827*

*Last update 04-11-2015*

*HU Credits: 2*

*Degree/Cycle: 2nd degree (Master)*

*Responsible Department: Medicine - Basic Studies*

*Academic year: 0*

*Semester: Yearly*

*Teaching Languages: Hebrew*

*Campus: Ein Karem*

*Course/Module Coordinator: Aviad Zick*

*Coordinator Email: [aviadz@hadassah.org.il](mailto:aviadz@hadassah.org.il)*

*Coordinator Office Hours: Monday 14:00-15:00*

*Teaching Staff:*

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Dr. Amir Sonnenblick

Course/Module description:

Basic knowledge of common cancers and approach to the cancer patient.  
Understanding the principle of cancer treatment including chemotherapy, radiation therapy, biological and immunological therapy.  
Awareness of the natural history of cancer patient, identification of life threatening conditions and side effects of the treatment.  
Treating the cancer patient in holistic way – by taking in consideration his emotional and social background.

Course/Module aims:

Understanding the basic approach to the management and treatment of cancer.  
Ability to recognize and treat life threatening conditions in cancer patient.

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

- Recognize emergencies in cancer patients.
- present an oncological case.
- Find relevant literature to oncological case.
- Perform SOAP

Attendance requirements(%):

80

Teaching arrangement and method of instruction: Lectures  
Workshops in smaller groups  
Bedside teaching  
Attending oncological clinic  
Attending Radiotherapy unit

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### Course/Module Content:

*Introduction to oncology – the staging system, types of treatments (surgical, neoadjuvant adjuvant and palliative) and response evaluation.*

*Principles of “classic” chemotherapy, hormonal therapy biological therapy, immunotherapy and radiation therapy.*

*Breast cancer as a model –presentation, classification of the disease, treatment options and evidence based decision making, the follow-up and the natural history of the disease.*

*The holistic approach to the cancer patient taking in consideration his emotional and social background.*

*Side effects and complications of the oncological treatment.*

*Recognition of life threatening emergencies in oncology – spinal cord compression, febrile neutropenia, electrolytes disturbances, superior vena cava syndrome, diarrhea and mucositis.*

*Psychological aspects of patient with cancer.*

*New approaches to cancer, molecular and genetic testing and immunological approach.*

*Cancer research – in focus of cancer and its microenvironment , metastasis and treatment resistance.*

### Required Reading:

*De Vita - Principles and practice of cancer*

### Additional Reading Material:

*Individual related papers – to be assigned per case*

### Course/Module evaluation:

*End of year written/oral examination 0 %*

*Presentation 70 %*

*Participation in Tutorials 30 %*

*Project work 0 %*

*Assignments 0 %*

*Reports 0 %*

*Research project 0 %*

*Quizzes 0 %*

*Other 0 %*

### Additional information: