



# *The Hebrew University of Jerusalem*

## *Syllabus*

### *Prosthodontic care for the adult patient - 97861*

*Last update 19-08-2020*

*HU Credits: 20*

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

*Responsible Department: Dental Medicine*

*Academic year: 0*

*Semester: Yearly*

*Teaching Languages: Hebrew*

*Campus: Ein Karem*

*Course/Module Coordinator: Prof. Nurit Beyth*

*Coordinator Email: [nuritb@ekmd.huji.ac.il](mailto:nuritb@ekmd.huji.ac.il)*

*Coordinator Office Hours: Tuesday 10:00-11:00*

*Teaching Staff:*

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Prof Nurit Beyth,  
Dr. Yossef Agmon,  
Dr. Olga Orkin - Diskin,  
Dr. Eldad Irani,  
Dr. Revital Hivert,  
Dr. Haiat Hezi,  
Dr. Alon Livny,  
Dr. Shay Levi,  
Dr. ,  
Dr. ,  
Dr. ,  
Dr. Ila Groswald,  
Dr. Yoav Pietrokovski,  
Dr. maital kadishes - sofer,  
Dr. avraham revah,  
Dr. ,  
Dr. Eleonora Babitski,  
Dr. ariella price - cohen,  
Dr. Gilad Ben Gal,  
Dr. ,  
Dr. Yossi Gleitman,  
Dr. ,  
Dr. Meirav Topel,  
Prof Hochman Nira,  
Dr. Einav Hirschhorn,  
Dr. ,  
Prof Ami Smidt,  
Dr. rula assali,  
Dr. Avital Houri,  
Dr. ,  
Dr. ,  
Dr. Lena Dicapua,  
Dr. ,  
Dr. ,  
Dr. ,  
Dr. Rinat Tzach,  
Dr. Osnat Feuerstein,  
Dr. Osama Khamaisi,  
Dr. ,  
Dr. ,  
Dr. ,  
Dr. ,  
Dr. Miriam Rabin,  
Dr. David Domb,  
Dr. Hadar Serna,  
Dr. Nitsan Algazi,

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Dr. ,  
Dr. Miriam Openaimer,  
Dr. Robert Khademi,  
Dr. ,  
Dr. Tal elad,  
Dr. Ilya Brayman

Course/Module description:

*This course provides each student with basic clinical training and experience in comprehensive treatment for undergraduate students. Students are given the opportunity to demonstrate knowledge in comprehensive treatment planning, health promotion, disease prevention and the management of a recall system. Each student is assigned to a clinical group which is managed by dentists. These clinical instructors provide the students with training in diagnosis, treatment planning, sequencing and the actual treatment of their assigned patients. Consultations in the various specialties of dentistry occur as required. The instructors direct and coordinate the total dental health care of the patients of each of their students. Weekly seminars are provided to discuss and review dental techniques and journal articles. Individual student meetings are scheduled to discuss clinical performance.*

Course/Module aims:

*This course aims at preparing the fifth year student to be capable of formulating comprehensive treatment plans and manage the recall system for their patients. This is a clinical course where the students are given the opportunity to demonstrate knowledge in comprehensive treatment planning, oral health promotion and oral disease prevention. During this clinical training, fifth year dental students will be able to perform basic clinical procedures to their assigned patients under the direct supervision of clinical instructors and other specified faculty. These experiences prepare the students to develop clinical competency in these disciplines to a satisfactory level serving the needs of their patients.*

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

- On successful completion of this module, students should be able to:*
- Perform a thorough patient anamnesis including: medical review, sociological and psychological review, dental history and risk assessment.*
  - Perform a thorough clinical examination including: examination of head and neck and orofacial soft tissues, examination of teeth and restorations and radiographic examination, assessing occlusal status in scheme of the treatment plan and being able to execute an occlusal analysis.*
  - Demonstrate a range of diagnostic skills by: evaluating medical histories, showing radiographic diagnosis/diagnostic skills, identification of pathologies of oral soft and hard tissues and demonstrate skills for caries risk assessment.*

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- Demonstrate accurate dental charting□ assessing the need for consultation with specialists in the fields of periodontics/endodontics/orthodontics/oral surgery /oral medicine.
  - Diagnose by determining the variation from normal and detection of pathological and etiological conditions.
  - Evaluate teeth and supporting structures from a prognostic standpoint.
  - Demonstrate the ability of developing sequenced treatment plans designed to consider patients' desires and limitations□ to eliminate or control etiological factors and create a functional and maintainable oral environment.
  - Demonstrate clinical skills in the treatment/restoration of teeth to form, function, esthetic standards (restoring damaged teeth due to caries, trauma, post endodontic treatment and iatrogenic dentistry) and develop maintenance protocols as assessed by the clinical instructors every 3 months in a narrative report.
  - Maintain patient case assignment at satisfactory level for continued care, and understand developing and following recall systems.

*This course supports the following HUHSDM Professional Practice Competencies:*

*Domain 1: 1.1 1.2 1.4 1.5 Domain 2: 2.1 2.5 2.7 2.8 2.14 2.15 Domain 3: 3.1 3.2 3.3 3.4 3.5 3.6 3.9 3.10 3.11 3.12*

#### Attendance requirements(%):

85% attendance in the clinic

85% attendance in the seminars

Teaching arrangement and method of instruction: Each fifth year student is assigned to a clinical instruction group which is managed by dentists (prosthodontists and general dentists). Each student will give a seminar in prosthetic dentistry.

#### Course/Module Content:

- Patient management, appropriate interpersonal and communication skills.
- Normal morphology, developmental, physiologic and biochemical processes in systemic and oral health.
- Risk factors assessment and preventive strategies based on the patient's oral health and status.
- Patient education about the prevention, development, progression and etiology of oral and systemic diseases.
- Common drugs used in dental and medical situations related to the practice of dentistry.
- Comprehensive patient assessment including examination of the head and neck and diagnosis of oral related diseases.
- Treatment plans based on analysis of collected data.
- Etiological and pathological processes that define oral diseases.

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• Oral diseases or disorders including:

1. Caries

2. Malocclusion

3. Periodontal disease

4. Pulpal & periradicular disease

5. Salivary glands, tongue and oral mucosal disorders

• Treatment modalities and restoration: developing optimal and alternative treatment plans properly sequenced.

• Applying comprehensive treatment planning strategies for restoration of oral health.

• Dental materials aimed at restoring form, function and esthetics.

• Prescription and evaluation of laboratory fabrications of fixed prostheses.

• Critical thinking and problem solving to make patient care decisions.

#### Required Reading:

1. Stephen F. Rosenstiel, Martin F. Land, and Junhei Fujimoto. Contemporary Fixed Prosthodontics, 4th Edition, Mosby publications:

2. Mauro Fradeani, Esthetic Analysis: Esthetic Rehabilitation in Fixed Prosthodontics: A Systematic Approach to Prosthetic Treatment, Quintessence publishing.

#### Additional Reading Material:

All content on Moodle course site

#### Course/Module evaluation:

End of year written/oral examination 15 %

Presentation 3 %

Participation in Tutorials 10 %

Project work 0 %

Assignments 10 %

Reports 0 %

Research project 0 %

Quizzes 2 %

Other 60 %

Clinical performance

#### Additional information:

The educational aims are monitored every three month during the 5th year program and are reported to the lecturer coordinator Prof. Nurit Beyth for appropriate decisions regarding the student's status. The overall grade is determined by assessing the student's capability in all aspects of comprehensive

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*treatment and clinical performance. Minimal Passing grade for each of the grading components stated above is 60.*