Syllabus

Imaging methods in Orthodontics - 97999

Last update 16-12-2014

HU Credits: 5

Responsible Department: bio-medical sciences in dentistry

Academic year: 1

Semester: Yearly

Teaching Languages: English

Campus: Ein Karem

Course/Module Coordinator: Dr Abed yossi

Coordinator Email: abedy@cc.huji.ac.il

Coordinator Office Hours: Monday and Tuesday, by appointment

Teaching Staff:
  Dr. Yossi Abed
  Prof Ilana Brin
  Prof Yocheved Ben-Bassat
  Dr. Silvina Friedlander
  Dr. Micheal Yitschaky
Course/Module description:
This course provides a broad insight into both the theoretical and the practical aspects of cephalometrics and imaging as essential tools in orthodontic diagnosis and follow-up.

Course/Module aims:
To present the basics of cephalometrics and other modern imaging techniques. To discuss and practice a variety of cephalometric analyses.

Learning outcomes - On successful completion of this module, students should be able to:
Make an orthodontic diagnosis based on cephalometrics and other imaging systems.

Attendance requirements(%):
100%

Teaching arrangement and method of instruction: frontal lectures and seminars and practical sessions. Reading assignments for each seminar session is to provide background information for class discussions related to the scheduled topics.

Course/Module Content:
Prof Ben Bassat & Brin Introduction & Landmark identification- tracing exercise (1) 20/10/14 Mon 11:15-14:00
2 2 Prof Brin Landmark identification and tracing exercise (1) 23/10/14 Thur 9:15-12:00
3 3 Dr. Abed Steiner analysis 27/10/14 Mon 13:15-16: 00
4 4 Dr. O. Yitschaky Downs analysis 03/11/14 Mon 11:15-14:00
5 5 Dr. Abed Sassouni analysis including Proportional Analysis 10/11/14 Mon 8:15-11:00
6 6 Dr. Shipperman Wylie, Tweed, Wits analyses 11/11/14 Tues 10:15-13:00
7 8 Dr. Friedlander Pathology in cephalometric radiographs 16/11/14 Sun 13:30-16:00 or Wed 19/11/14
8 7 Dr. Friedman Ricketts analysis including A-P analyses and A-Pog 17/11/14 Mon 09:15-12:00
Required Reading:
1+2
Required
2. A. Jacobson (ed): Radiographic Cephalometry from Basic to 3-D imaging ,2nd Ed 2006 Ch. 3(33-43),
Optional

3
Required
1. A. Jacobson (ed): Radiographic Cephalometry from Basic to 3-D imaging ,2nd Ed 2006 Ch. 7 (71-78)
Recommended
4. C.C Steiner Cephalometrics as a clinical tool Vistas in Orthodontics 1962

4

Required

Recommended

5

Required
1. A. Jacobson (ed): Radiographic Cephalometry from Basic to 3-D imaging ,2nd Ed 2006 Ch. 15 (161-184)

Recommended

6

Required

Recommended

7
Required

Recommended

8
Will be published later
9
Required

Recommended

10
Required

Recommended

11
Required

Recommended

12
Recommended
13

Required

14

Required

15

Required

Recommended

Airway
Required

Recommended

Required
Required
1. A. Jacobson (ed): Radiographic Cephalometry from Basic to 3-D imaging, 2nd Ed. Ch. 20 (219-231) & Ch. 21 (233-247) & Ch. 22 (249-266).

Recommended
2. Graber T.M: Orthodontics: Current principles and Techniques. 3rd Ch 8 (353-374)

18
Required

19
Will be published later
20
Will be published later
21
Required
1. Demetrios J. Halazonetis, DMD, MSa, Martin N. Abelson, AB, DDS, ABOb: Digital image processing: How to retouch your clinical photographs, American Journal of Orthodontics and Dentofacial Orthopedics, October 2000, Volume 118, Number 4, p469 to p475.
Recommended
22+23

Required


24
Will be published later
Course evaluation: Written and practical test

Additional Reading Material:
None

Course/Module evaluation:
End of year written/oral examination 80 %
Presentation 0 %
Participation in Tutorials 10 %
Project work 10 %
Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information:
None