

KING SAUD UNIVERSITY
College of Dentistry
Department of Preventive Dental Sciences
DIVISION OF ORTHODONTICS

431 PDS

COURSE OUTLINE

Course Director : DR. LAILA BAIDAS [MUC]

Contributors : **DR. HUDA AL-KAWARI**
DR. SAHAR BARAKATI
DR.HANA BALBEESI

Course Description:

Knowledge of the basic of orthodontics is essential for the dental student. This course will provide the undergraduate student with the background of the normal occlusion, malocclusion, growth and development of dento-facial structures, etiology and diagnosis of malocclusion, and the treatment of discrepancies.

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5	10	15	5	10	15	40%	100%

QZ – quizzes **PE** – Practical Examination **WE** – Written Examination

INSTRUCTION TO STUDENT

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(Chapter for the textbook)
By : Samir E. Bishara

Department of Preventive Dental Sciences
DIVISION OF ORTHODONTICS
431 PDS [F]
Introduction to Orthodontics
LECTURE & PRACTICAL OUTLINE
First Semester
Tuesday, 8:00 AM-12:00 NN

WEEK	DATE	LECTURE	PRACTICAL
1		Introduction to the Course □ Dr. Baidas	Introduction to the Laboratory Study Models – I - Impression of students, and pouring
2		Facial growth (Chap. 4, L.M.) □ Dr. Baidas	Study Models – I - Impression of students, and pouring
3		Developing Dentition (Chap. 3, L.M.) □ Dr. Baidas	Study Models – II - Demonstration of model trimming & Finishing
4		Developing Dentition (Chap. 3, L.M.) □ Dr. Baidas	Class I, II div 1 Malocclusion - Description of using models - Definition, types, managements, etc.
5		Etiology of Malocclusion (Chap. 5, Proffit) □ Dr. Balbeesi	Class II div 2, III Malocclusion - Description of using models - Definition, types, managements, etc.
6		Orthodontic Diagnosis I (Chap. 6 Pg. 123-138 Proffit) □ Dr. Kawari	Radiographs (OPJ, Occlusal, Posterior-anterior Radiographs)/ Wire Bending
RAMADAN / EID VACATION			
7		Orthodontic Diagnosis II (Chap. 6 Pg. 160-185 Proffit) □ Dr. Barakati	Hand and Wrist Radiograph Description Of the method and application of analysis using hand & wrist x-ray
8		Cephalometrics (Chap. 6, L.M.) □ Dr. Barakati	Cephalometric I - Tracing using student's own cephalogram
9		Cephalometrics (Chap. 6, L.M.) □ Dr. Barakati	Cephalometric II - Landmarks identification
10		Class I (Chap. 8, L.M.) □ Dr. Kawari	Cephalometric III - Measurements & interpretation
11		Class II div I (Chap. 9, L.M.) □ Dr. Kawari	Model Analysis - Permanent model analysis - Moyer's model analysis
12		Class II div II (Chap. 10, L.M.) □ Dr. Barakati	Cases presentations by the students
13		Class III (Chap. 11, L.M.) □ Dr. Kawari	Cases presentations by the students
14		Canines (Chap.14, L.M.) □ Dr.Kawari	Cases presentations by the students
15		Malocclusal Problems (Chap.12,13 L.M.)□ Dr. Baidas	Cases presentations by the students
16		WRITTEN EXAMINATION 1	PRACTICAL EXAMINATION 1

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**LECTURE & PRACTICAL OUTLINE
Second Semester
Tuesday, 8:00 AM-12:00 NN**

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2		Interceptive Orthodontics (Chap. VI , Thailander) □ Dr. Baidas	Holding arch - Demonstration Nance arch, Transpalatal arch
3		Interceptive Orthodontics (Chap. VI , Thailander) □ Dr. Baidas	Holding arch Demonstration on Lingual arch
4		Removable appliances (Chap. 16, L.M.) □ Dr. Baidas	Labial Bow - Demonstration on Dental Model
5		Functional Appliances (Chap. 18, L.M.) □ Dr. Barakati	Functional Orthodontic Appliances and Removable Orthodontic Appliances - Description of the appliances using Samples -definition, Types, Component, etc.
6		Fixed Appliances (Chap.17,L.M.)□ Dr. Balbeesi	Z Spring & Finger Spring - Demonstration on Dental Model
7		Orthodontic Treatment Timing (Chap.7, Proffit) □ Dr. Barakati	Retentive components: Adams Clasp - Demonstration on Dental Model
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9		WRITTEN EXAMINATION 1	Construction Of Hawley Retainer-Adams Clasp on tooth # 16 of the student model
10		Adverse Effect of Orthodontics (Chap. IX, Thilander)□ Dr. Kawari	Construction Of Hawley Retainer -Adams Clasp on tooth # 26 of the student model
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12		Orthognathic Surgery (Chap. 20, L.M.) □ Dr. Barakati	Construction Of Hawley Retainer - Acrylization
13		Cleft Lip and Palate (Chap. 21, L.M.) □ Dr. Barakati	Construction Of Hawley Retainer -Finishing ,Polishing and Delivery
14		Stability and retention (chap. 18 Proffit) □ Dr. Baidas	Review
15		Review	PRACTICAL EXAMINATION 2

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