

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

431 PDS [F]
 Introduction to Orthodontics
 Academic Year 2007-2008 G [1426-1429]

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.

The course is an introductory course and consists of lectures and practical parts. The course is conducted through the whole academic year in two semesters.

First and Second Semester:

Will consist of two parts:

One Hour - lecture
 Three Hour - Practical

Evaluation:

Student shall be evaluated by their performance during the course by continuous assessment and final examination. The total mark 100% and distributed as follows: 60% for the continuous assessment and 40% for the final examination. The detail of the distribution is described in the following table.

Continuous Assessment						Final Examination	TOTAL
First Semester - 30%			Second semester – 30%				
QZ	PE1	WE1	QZ	PE2	WE2		
5	10	15	5	10	15	40%	100%

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

INSTRUCTION TO STUDENT

1. Student should expect the quiz at any lecture day without previous announcement.
2. Attendance is a **MUST**; each is counted as 0.5 point out of the total mark. Any student who does not attend the lecture or the laboratory session **MUST** submit to the course director the reason(s) of her absence.
3. Examination dates will not be changed. Any student who does not attend the examination **MUST** submit a letter to the course director.
4. Examination will include any type of questions. Students **are not allowed** to ask about the type of the examination or the type of questions.
5. During the laboratory session, students should maintain their cubicle clean. In addition, the unit's light **MUST** be turned-off before leaving.
6. All laboratory assignments **MUST** be submitted in the same session. Any delay will not be accepted.
7. Students **MUST** bring their instruments during every laboratory session expect for ortho study cast. **NO EXCUSE IS ALLOWED**. (Please review the course outline before the session and bring the instruments required)

Textbooks:

Every student must purchase the following textbook:

1. Introduction to Orthodontics
By: Laura Mitchell, 1996
2. Contemporary Orthodontics (Chapter for the textbook)
By: William Proffit
3. Introduction to Orthodontics (Chapter for the textbook)
By : Thailander et al.
4. Textbook of Orthodontics (Chapter for the textbook)
(Chapter for the textbook)
By : Samir E. Bishara

Department of Preventive Dental Sciences
DIVISION OF ORTHODONTICS
431 PDS [F]
Introduction to Orthodontics
Academic Year 2005-2006 G [1426-1427]
LECTURE & PRACTICAL OUTLINE
First Semester
Tuesday, 8:00 AM-12:00 NN

WEEK	DATE	LECTURE	PRACTICAL
1	11 Sept.2007	Introduction to the Course → Dr. Baidas	Introduction to the Laboratory
2	18 Sept. 2007	Facial growth (Chap. 4, L.M.) → Dr. Baidas	Class I, II div 1 Malocclusion - Description of using models - Definition, types, managements, etc.
3	25 Sept.2007	Developing Dentition (Chap. 3, L.M) → Dr. Baidas	Class II div 2, III Malocclusion - Description of using models - Definition, types, managements, etc.
4	2 Oct. 2007	Developing Dentition (Chap. 3, L.M.) → Dr. Baidas	Radiographs (OPJ, Occlusal, Posterior-anterior Radiographs)/ Wire Bending
RAMADAN / EID VACATION			
5	23 Oct 2007	Etiology of Malocclusion (Chap. 5, Proffit) → Dr. Balbeesi	Study Models – I - Impression of students, and pouring
6	30 Oct. 2007	Orthodontic Diagnosis I (Chap. 6 Pg. 139-159 Proffit) → Dr. Kawari	Study Models – II - Demonstration of model trimming & Finishing
7	6 Nov. 2007	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	13 Nov. 2007	Cephalometrics (Chap. 6, L.M.) → Dr. Barakati	Cephalometric I - Tracing using student's own cephalogram
9	20 Nov. 2007	Cephalometrics (Chap. 6, L.M.) → Dr. Barakati	Cephalometric II - Landmarks identification
10	27 Nov. 2007	Class I (Chap. 8, L.M.) → Dr. Kawari	Cephalometric III - Measurements & interpretation
11	4 Dec 2007	Class II div I (Chap. 9, L.M.) → Dr. Kawari	Model Analysis - Permanent model analysis - Moyer's model analysis
12	11 Dec. 2007	Class II div II (Chap. 10, L.M.) → Dr. Barakati	Cases presentations by the students
HAJJ BREAK			
13	1 Jan. 2008	Class III (Chap. 11, L.M.) → Dr. Kawari	Cases presentations by the students
14	8 Jan. 2008	Malocclusal Problems (Chap.12,13 L.M.)→ Dr. Baidas	
15	15 Jan 2008	Canines (Chap.14, L.M.) → Dr.Kawari	
		WRITTEN EXAMINATION 1	PRACTICAL EXAMINATION 1

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**431 PDS [F]
Introduction to Orthodontics
Academic Year 2006-2007 G [1427-1428]**

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

WEEK	DATE	LECTURE	PRACTICAL
1	19 Feb. 2008	Treatment Planning (Chap. 7, L.M.) → Dr. Baidas Orthodontic	Holding arch - Demonstration on Nance arch
2	26 Feb. 2008	Treatment Timing (Chap.7, Proffit) → Dr. Baidas	Holding arch - Demonstration on Transpalatal arch
3	4 March. 2007	Functional Appliances (Chap. 18, L.M.) → Dr. Barakati	Functional Orthodontic Appliances, Description of the appliances Holding arch Demonstration on Lingual arch
4	11 March. 2008	Removable appliances (Chap. 16, L.M.) → Dr. Baidas	Removable Orthodontic Appliances. Description of the appliances Labial Bow - Demonstration on Dental Model
5	18 March. 2007	Fixed Appliances (Chap.17,L.M.)→Dr. Balbeesi Interceptive Orthodontics (Chap. VI, Thailander) → Dr. Baidas	Z Spring & Finger Spring - Demonstration on Dental Model
6	25 March. 2008		
7	1 April. 2008	Orthodontic Forces and Tissue Reaction (Chap. 9, Proffit)→ Dr. Kawari	Retentive components: Adams Clasp - Demonstration on Dental Model
8	8 April. 2008	Adverse Effect of Orthodontics (Chap. IX, Thilander)→ Dr. Kawari	Retentive components: Adams Clasp - Demonstration on Dental Model
10 April – 18 April		MID-SECOND SEMESTER BREAK	
9	22 April. 2008	WRITTEN EXAMINATION 1	Construction Of Hawley Retainer-Adams Clasp on tooth # 16 of the student model
10	29 April 2008	Adult Orthodontics (Chap.19,L.M.) → Dr. Kawari	Construction Of Hawley Retainer -Adams Clasp on tooth # 26 of the student model
11	7 May. 2008	Orthognathic Surgery (Chap. 20, L.M.) → Dr. Barakati	Construction Of Hawley Retainer - Labial bow on the student model
12	14 May. 2008	Cleft Lip and Palate (Chap. 21, L.M.) → Dr. Barakati	Construction Of Hawley Retainer - Acrylization
13	21 May. 2008	Stability and retention (chap. 18 Proffit) → Dr. Baidas	Construction Of Hawley Retainer -Finishing ,Polishing and Delivery
14	28 May.2008	Orthodontic Emergencies → Dr. Barakati	Review
15	3 Jun 2008	Review	PRACTICAL EXAMINATION 2

Note: Your grade will be incomplete IF you don't return your instruments!

QUIZZES FIRST SEMESTER

4 quizzes during the 1st semester 5 marks :

1st Quiz

Facial growth and Developing dentition (Dr. Baidas) = 2

marks

2nd Quiz

Etiology of malocclusion (Dr Balbessi), Orthodontic diagnosis (Dr. Kawari, and Dr Barakati) = 3 marks

3rd Quiz

Cephalometric (Dr. Barakati), and Class I (Dr. Kawari) = 2

marks

4th Quiz

Class II div 1 (Dr. Kawari), Class II div 2 (Dr. Barakati), and Class III (Dr. Kawari) = 3 marks

QUIZZES 2ND SEMESTER

4 quizzes during the 2nd semester 5 marks :

1st Quiz March . 13 . 2007

Treatment Planning, and, Timing Of Orthodontic Treatment (Dr. Baidas) Functional Appliances (Dr. Barakati)= 1.5 marks

2nd Quiz April . 3 . 2007

Removable appliances (Dr. Baidas), Interceptive Orthodontics, Fixed Appliances (Dr. Balbeesi) = 1.5 marks

3rd Quiz May . 22 . 2007

Adult Orthodontics, thognathic Surgery, Cleft Lip and Palate, Stability and Retention (Dr. Kawari)) = 2 marks

MARKS DISTRIBUTIONS

		1ST ASSESSMENT	FINAL
Dr. Baidas	Facial growth	2	3
Dr. Baidas	Developing Dentition	2	3
Dr. Balbeesi	Etiology of Malocclusion	2	4
Dr. Kawari	Orthodontic Diagnosis I	1	3
Dr. Barakati	Orthodontic Diagnosis II	1	3
Dr. Barakati	Cephalometrics	1	2
Dr. Kawari	Class I	1	2
Dr. Kawari	Class II div I	1	2
Dr. Barakati	Class II div II	1	2
Dr. Kawari	Class III	1	2
Dr. Kawari	Canine	1	2
Dr. Baidas	Malocclusal Problems	1	2
TOTAL		15 Q's	30 Q's

		2 ND ASSESSMENT	FINAL
Dr. Baidas	Treatment Planning	1	4
Dr. Baidas	Interceptive Orthodontics	2	3
Dr. Baidas	Orthodontic Treatment Timing	2	3
Dr. Baidas	Removable appliances	2	3
Dr. Barakati	Functional Appliances	2	3
Dr. Balbessi	Fixed Appliances	2	3
Dr. Kawari	Orthodontic Forces and Tissue Reaction	2	3
Dr. Kawari	Adverse Effect of Orthodontics	2	5
Dr. Kawari	Adult Orthodontics	-	5
Dr. Barakati	Orthognathic Surgery	-	5
Dr. Barakati	Cleft Lip and Palate	-	5
Dr. Baidas	Stability and retention	-	5
Dr. Barakati	Orthodontic emergencies	-	3
TOTAL		15 Q's	50 Q's

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Second Semester
Tuesday, 8:00 AM-12:00 NN**

WEEK	DATE	PRACTICAL	CONTRIBUTER
1	19 Feb. 2008	Holding arch - Demonstration on Nance arch	All of us
2	26 Feb. 2008	Holding arch - Demonstration on Transpalatal arch	Baidas / Balbessi
3	4 March. 2007	Functional Orthodontic Appliances, Description of the appliances Holding arch Demonstration on Lingual arch	Barakati / Kawari Nance Evaluation
4	11 March. 2008	Removable Orthodontic Appliances. Description of the appliances Labial Bow - Demonstration on Dental Model	Baidas / Balbessi Lingual arch
5	18 March. 2007	Z Spring & Finger Spring - Demonstration on Dental Model	Balbessi / Baidas Labial bow Evaluation
6	25 March. 2008		
7	1 April. 2008	Retentive components: Adams Clasp - Demonstration on Dental Model	Barakati / Kawari Z-spring and Finger spring evaluation
8	8 April. 2008	Retentive components: Adams Clasp - Demonstration on Dental Model	Kawari / Barakati Adams clasp Evaluation
9	22 April. 2008	Construction Of Hawley Retainer-Adams Clasp on tooth # 16 of the student model	All of us
10	29 April 2008	Construction Of Hawley Retainer -Adams Clasp on tooth # 26 of the student model	Kawari / Balbessi
11	7 May. 2008	Construction Of Hawley Retainer - Labial bow on the student model	Barakati / Baidas
12	14 May. 2008	Construction Of Hawley Retainer - Acrylization	Barakati / Baidas
13	21 May. 2008	Construction Of Hawley Retainer -Finishing ,Polishing and Delivery	Baidas / Kawari
14	28 May.2008	Review	Baidas / Barakati
15	3 Jun 2008	PRACTICAL EXAMINATION 2	All of us

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