

Jordan University of Science and Technology
 Faculty of Applied Medical Sciences
 Department of Applied Dental Sciences
 First Semester 2013-2014
 Course Syllabus

Course Information	
Course Title	Orthodontics
Course Code	ADS 319
Prerequisites	
Course Website	
Instructor	Dr. Maysoon Sa'adeh
Office Location	
Office Phone #	
Office Hours	
E-mail	mmsaadeh@newmail.just.edu.jo
Teaching Assistant(s)	Ms. Reem S. Tubaishat (Clinical Part)
Course Description	
<p>This course is designed to familiarize the allied dental sciences students with the procedures available in orthodontic dental clinic, the materials used for treatment, and the role of the dental assistant in each dental procedure including removable appliance, fixed appliance, preparing post operative instructions for patients and cross infection control in the clinic. The practical part of this course includes the defining and introducing allied dental science students to the materials and instruments and their usage in each orthodontic dental procedure.</p>	

Textbook	
Title	An Introduction to Orthodontics
Author(s)	Laura Mitchell
Publisher	Oxford University Press
Year	2005
Edition	Second Edition

Book Website	
Other references	<ol style="list-style-type: none"> Advanced Dental Nursing by Robert Ireland, Blackwell Munksgaard, 2004 NVQs for Dental Nurses by Carole Hollins. Blackwell Munksgaard, 2003

Assessment		
Assessment	Expected Due Date	Percentage
Midterm Exam Theory		30%
Midterm Exam Practical		10%
Log book	Throughout the semester	10%
Assignment	POI	10%
Final Exam Theory	To be announced	20%
Final practical exam	To be announced	20%

Course Objectives	Percentage
Understanding the rationale of orthodontic treatment	10%
Demonstrating the difference between normal occlusion and malocclusion	10%
Explaining the etiology of malocclusion	10%
Explaining the methods of examination and diagnostic records	10%
Understanding the concept of interceptive orthodontics and its applications	10%
Understanding the concept of removable orthodontic appliances and their different components	10%
Understanding the concept of fixed orthodontic appliances: Components, bond up. and debonding procedures	10%
Understanding the steps of orthodontic treatment :visit by Visit	10%
Teaching the students their role in cross infection control and how to instruct, motivate and educate patients	10%
Understanding the need for retention and illustrating different types of retainers	10%

Teaching & Learning Methods

- Power point presentation using a computer, data show and screen.
- Class discussion.

Teaching duration:

- Duration: 14 weeks.
- Lectures: 14 lectures, 1 hour each, including 1 hour midterm examination.

Learning Outcomes: Upon successful completion of this course, students will be able to	
Related Objective(s)	Reference(s) Handouts
Understand the rationale of orthodontic treatment	Chapter 1, and Handouts
Differentiate between normal occlusion and different types malocclusion	Chapter 2, and Handouts
Understand the different theories causing malocclusion	Chapter 2, and Handouts
Understand the methods of examination and diagnostic records	Chapter 18, and Handouts
Understand the concept of interceptive orthodontics and its application	Chapter 3, and Handouts
understand the concept of removable orthodontic appliances	Chapter 16, and Handouts
Understand the concept of fixed orthodontic appliance, its components as well as bond up and debonding procedures	Chapter 17, and Handouts
Understand the steps of orthodontic treatment :visit by Visit	Chapters: 15, 16, 17 and Handouts
Be capable to instruct, motivate and educate patients and appreciate the importance of cross infection control in orthodontic clinic	Chapters: 15, 16, and Handouts
Understand the concept of retention and know the different types of retainers in use	Chapter: 15, and Handouts

Useful Resources

Theoretical Course Content		
Week	Topics	Chapter in Textbook (handouts)
1	Introduction to Orthodontics	Chapter 1, and Handouts
2	The rationale of orthodontic treatment	Chapter 1, and Handouts
3	Classification of occlusion and malocclusion	Chapter 2, and Handouts
4	Etiology of malocclusion	Chapter 2, and Handouts
5	Examination and diagnostic records	Chapter 18, and Handouts
6	Interceptive orthodontics	Chapter 3, and Handouts
7	Mid-term Examination	
8	Removable orthodontic appliance	Chapter 16, and Handouts
9	Fixed orthodontic appliance: Components and materials	Chapter 17, and Handouts
10	Fixed orthodontic appliance: Bond up and debonding	Chapter 17, and Handouts
11	Visit by Visit management of orthodontic treatment	Chapters: 15, 16, 17 and Handouts
12	Patient's instruction, motivation and education Cross infection control	Chapters: 15, 16, and Handouts
13	Retention and stability	Chapter: 15, and Handouts
14	Revision	Handouts

Additional Notes

Attendance policy:

- Students are expected to attend all or more than 90% of lectures.
- Each student is expected to sit in his numbered seat.
- Empty seat will be counted as absent.
- All absences will be entered electronically into the University site.
- If absence is more than 10% student will be banned from the course after electronic notification from the university through student e-mail.

Expected workload:

Students are expected to take every effort to ensure satisfactory learning of the material given.

Feedback:

Concerns or complaints should be expressed in the first instance to the course instructor. If no resolution is forthcoming then the issue should be brought to the attention of the Department Chair and if still unresolved to the Dean. Questions about the material covered in the lecture, notes on the content of the course, its teaching and assessment methods can be also sent by e-mail to the following address: mmsaadeh@newmail.just.edu.jo

Course Content			
Week	Date	Title of the Lecture	Lecturer
1		Introduction to Orthodontics	Dr Maysoon Sa'adeh
2		The rationale of orthodontic treatment	Dr Maysoon Sa'adeh
3		Normal occlusion and malocclusion	Dr Maysoon Sa'adeh
4		Etiology of malocclusion	Dr Maysoon Sa'adeh
5		Examination and diagnostic records	Dr Maysoon Sa'adeh
6		Interceptive orthodontics	Dr Maysoon Sa'adeh
7		Removable orthodontic appliance	Dr Maysoon Sa'adeh
8		Mid-term Examination	Dr Maysoon Sa'adeh
9		Fixed orthodontic appliance: Components and materials	Dr Maysoon Sa'adeh
10		Fixed orthodontic appliance: Bond up and debonding	Dr Maysoon Sa'adeh
11		Visit by Visit management of orthodontic treatment	Dr Maysoon Sa'adeh
12		Patient's instruction, motivation and education Cross infection control	Dr Maysoon Sa'adeh
13		Retention and stability	Dr Maysoon Sa'adeh
14		Revision	Dr Maysoon Sa'adeh

Practical Course Content			
Week	Date	Title of the Lab	note
1		Introduction to the course/ syllabus distribution	

2		Introduction to orthodontics dentistry/ charting	
3		Understanding occlusion/ etiology of malocclusion	
4		Eid Al-Adha HOLIDAY	Happy Eid
5		Removable appliances/ identify instruments and components	Lab work instruments identification
6		Preparing a post operative instruction after orthodontic treatment	
7		Fixed orthodontic appliances/ identify instruments and components	Lab/ instruments identification
8		Fixed orthodontic appliances/ bond-up instruments and step-by-step procedure The role of the DA in this procedure	Lab/ instruments identification
9		Fixed orthodontic appliances/	Lab/ alginate mixing
10		Midterm Exam	Study well!!
11		Role of the DA in orthodontic clinic	
12		Role of the DA in orthodontic clinic	
13		Oral Hygiene and Dietary Instructions	
14		Oral Hygiene and Dietary Instructions	
15		Revision/ retention after fixed appliance removal	
16		Holiday	

Teaching & Learning Methods

- Preclinical orthodontic session
- In clinic orientation for most Orthodontic procedures

Teaching duration:

- 3 hour
- Dental Assisting Lab

