



Course Specifications

Institution:

College of dentistry.

**DEPARTMENT OF PREVENTIVE
DENTAL SCIENCES**

Course:

**PRE-CLINICAL ORTHODONTICS 433 PDS
FOURTH YEAR –FIRST SEMESTER,
2014/2015**

Course Coordinator :

Dr Ghazwan Najdat Saijari

Programme Coordinator:

Assist. Prof .Dr:Abdulrahman abdulah Alatram

Course Specification Approved Date :

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A. Course Identification and General Information

1 - Course title :	Pre-Clinical Orthodontics	Course Code:	433 PDS
2. Credit hours :	4 hours		
3 - Program(s) in which the course is offered:	Dentistry.		
4 – Course Language :	English		
5 - Name of faculty member responsible for the course:	Dr Ghazwan Najdat Saijari		
6 - Level/year at which this course is offered :	4th year		
7 - Pre-requisites for this course (if any) :	None		
8 - Co-requisites for this course (if any) :	None		
9 - Location if not on main campus :	(Al Zulfi)		
10 - Mode of Instruction (mark all that apply)			
A - Traditional classroom	<input checked="" type="checkbox"/>	What percentage?	100 %
B - Blended (traditional and online)	<input type="checkbox"/>	What percentage? %
D - e-learning	<input type="checkbox"/>	What percentage? %
E - Correspondence	<input type="checkbox"/>	What percentage? %
F - Other	<input type="checkbox"/>	What percentage? %
Comments :	.....	

B) Objectives:

What is the main purpose for this course?

The course is introductory to the dental discipline of orthodontics. Knowledge of the basic principles and diagnostic procedures in orthodontics is primary emphasis of this course. This course provides students with background on normal occlusion, growth and development of dento-facial structures, and etiology, diagnosis and management of different types of malocclusion and dento-facial discrepancies. The laboratory sessions are designed to provide students with the required knowledge and skills to perform basic analysis and diagnosis of malocclusion and basis for referral of a patient to an orthodontist.

Briefly describe any plans for developing and improving the course that are being implemented :

Revision of all courses of the college related to, to avoid repeating any topics to save time to other new topics or give time to the already existing topics to be taught in more details to the students .



C. Course Description

1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
Introduction to the course	1	1
Prenatal Growth of Cranium, Facial and Oral Structures	1	1
Postnatal Growth of the Craniofacial Complex	1	1
Development of Dentition and occlusion	1	1
Occlusion in orthodontics	1	1
Classification of malocclusion	1	1
Etiology of malocclusion	1	1
Examination and Diagnosis	1	1
Cephalometric -Landmarks and Analyses	1	1
Biomechanics (physiology of tooth movement) (Mechanics of Tooth Movement)	1	1
Biomechanics (Anchorage in Orthodontics)	1	1
Preventive Orthodontics	1	1
interceptive Orthodontics	1	1

2. Course components (total contact hours and credits per semester):

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	13	.....	.....	39	.....	52
Credit	1	.....	.....	3	.....	4





3. Additional private study/learning hours expected for students per week.

In Additional to the credit hours in the college hours the student is expected to put in 5 hours of private study/learning hours per week.

(This is an average for the semester not a specific requirement in each week).

The students are encouraged to interact with the tutors of the course for any additional help required during the course. The staff members are instructed to inform the students regarding the office hours when they can approach the faculty for their help

After each class the faculty member allocates a few minutes to clear the doubts of the students if needed

The power point presentation of each class is uploaded on the faculty members website from where the students can easily retrieve it and come prepared for the lecture.

Group of three students are allotted to one faculty member, who is their mentor, the students can even approach their respective mentors if they have any additional problems with the subject.



4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	Knowledge		
1.1	Differentiate between normal and abnormal development of the dento-facial complex	Lecture.	Exam.
1.2	Demonstrate knowledge of standard orthodontic classifications of malocclusion.	Lecture.	Exam.
1.3	Describe how malocclusion can be identified, diagnosed, and treatment planned.	Lecture.	Exam.
1.4	Identify functional and esthetic deficiencies requiring orthodontic intervention and management and know when to make a referral to an orthodontic specialist.	Lecture.	Exam.
1.5	Identify predisposing conditions and appropriate intervention or active treatment recommendation to prevent malocclusion.	Lecture.	Exam.
1.6	Perform basic orthodontic diagnostic procedures including lateral cephalometric tracing and model space analysis.	Lecture.	Exam.
2.0	Cognitive Skills		
2.1	Student should be able to identify, classify and diagnose orthodontic problems	Lecture.	Exam.
2.2	Student should be able to utilize and analyze different orthodontic diagnostic records	Lecture.	Exam.
2.3	Student should be able to identify orthodontic treatment needs	Lecture.	Exam.
2.4	Student should be able to communicate with patients, parents and Orthodontists regarding the orthodontic referral need	Lecture.	Exam.
2.5	Student should be able handle orthodontic emergency	Lecture.	Exam.
2.6	Students can assess orthodontic referral need	Lecture.	Exam.





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
3.0	Interpersonal Skills & Responsibility		
3.1	Teaching students how to deal with the patient and the proper way to take medical history.	During lecture.	Recognition.
3.2	Teaching students how to perform basic analysis and diagnosis of orthodontic problems.	During lecture.	Recognition.
3.3	Teaching students how to handle orthodontic emergency	During lecture.	Recognition.
3.4	Teaching students how to differentiate between types of malocclusion and dento-facial discrepancies	During lecture.	Recognition.
3.5	Teaching students how to communication with orthodontic specialists	During lecture.	Recognition.
3.6	Identify predisposing conditions and appropriate intervention and/or active treatment recommendation to prevent malocclusion.	During lecture.	Recognition.
4.0	Communication, Information Technology, Numerical		
4.1	Teaching students how to obtain scientific information from various websites.	During lecture.	Exam.
4.2	Introduce students to scientific famous sites and how to access them.	During lecture.	Exam.
4.3	Teaching students how to take medical history of dental patients.	During lecture.	Exam.
4.4	Teaching students how to diagnose dento-facial deformities patient.	During lecture.	Exam.
4.5	Demonstrate knowledge of adverse effects of orthodontic therapy and management of orthodontic emergencies.	During lecture.	Exam.
5.0	Psychomotor		
5.1	Teaching students how to work in dental clinics and apply infection control techniques .	During lecture.	Recognition.
5.2	Teaching students how to conduct clinical skills agree with each other, including the timeframe.	During lecture.	Recognition.
5.3	Teaching students how to deal with hazardous contaminated and sharp instruments found in dental clinics and hospitals.	During lecture.	Recognition.





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
5.4	Teaching students how to deal with dangerous biological fluids and how to get rid of them.	During lecture.	Recognition.
5.5	Teaching students how to handle common medical emergencies and deal with medical compromised patients.	During lecture.	Recognition.
5.6	Teaching students how to prevent pollution of the environment with medical waste, whether chemical or biological .	During lecture.	Recognition.

5. Schedule of Assessment Tasks for Students During the Semester:

	Assessment task	Week Due	Proportion of Total Assessment
1	Behavior and attitude	During semester	5%
2	Practical assessment	During semester	10%
3	Quizzes	4	3%
4	Research	5	3%
5	Presentation	6	2%
6	Homework	8	2%
	Oral assessment	9	5%
7	Midterm written exam	7	20%
8	Midterm practical exam	7	10%
9	Final written exam	14	30%
10	Final practical exam	15	10%
11	Total		100%





D. Student Academic Counseling and Support

Students are supported academic guidance during office hours and provide them with guidance and advice, as well as scientific knowledge of students' problems and how to solve it.

E. Learning Resources

1. List Required Textbooks :

- **Contemporary Orthodontics William Proffit 6th edition 2014 .**
- **Textbook Of Orthodontics Samir E Bishara 2001.**

2. List Essential References Materials :

- **Journals of Orthodontics.**

3. List Electronic Materials :

- **www.pubmed.com.**
- **Ghazwan saijari website in the Majmaah university site (mu.edu.sa)**

F. Facilities Required

1. Accommodation

- **A class room with a seating capacity of 30 students, equipped with a projector and smart board.**
- **A well-equipped dental clinics to work with patients under supervision.**

2. Computing resources

- **Computer classroom.**
- **Internet connection.**

3. Other resources

- **General knowledge.**





G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching:

- **Make questionnaires.**
- **Perform theoretical examination.**
- **Make seminars.**

2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor :

- **Make meetings with groups of students to discuss the contents of the course, method of teaching to evaluate the course and the instructor.**

3 Processes for Improvement of Teaching :

- **Make meeting every week in the department to update the status of each student and the difficulties felt by the colleague will be resolved accordingly.**
- **The power point presentation of each lecture is distributed to all the staff members of the department for evaluation and suggestions for improvement.**
- **Teachers will be subjected to go for up gradation of knowledge by attending the relevant conferences and will be encouraged to carry on a self-improvement.**

4. Processes for Verifying Standards of Student Achievement

- **Make 1st midterm, quiz and final examinations.**
- **Make clinical evaluation to assess the student skill progress.**
- **Perform a questionnaire to evaluate the student's experience.**

5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement :

- **Make meeting every week in the department to update the status of each student and the difficulties felt by the colleague will be resolved accordingly.**
- **The power point presentation of each lecture is distributed to all the staff members of the department for evaluation and suggestions for improvement.**
- **Teachers will be subjected to go for up gradation of knowledge by attending the relevant conferences and will be encouraged to carry on a self-improvement.**





Course Specification Approved
Department Official Meeting No (.....) Date ... / / *H*

Course's Coordinator

Name : Dr.Ghazwan saijari

Signature :

Date : .../ ... / *H*

Department Head

Name : Assist. Prof.
Dr. Musa Abo
Fadalah

Signature :

Date : .../ ... / *H*

