



Course Specifications

Institution:	College of Dentistry
Academic Department :	Preventive Dental Sciences
Programme :	Bachelor of Dentistry [BDS]
Course :	Clinical Orthodontics [PDS 531]
Course Coordinator :	Dr. Zuber Ahamed Naqvi
Programme Coordinator :	Dr Abdulrahman Alatram
Course Specification Approved Date : / ... / H



A. Course Identification and General Information

1 - Course title :	Clinical Orthodontics	Course Code:	PDS 531
2. Credit hours :	1		
3 - Program(s) in which the course is offered:		BDS	
4 – Course Language :	English		
5 - Name of faculty member responsible for the course:		Dr. ZUBER AHAMED NAQVI	
6 - Level/year at which this course is offered :		5th Year 1st Semester	
7 - Pre-requisites for this course (if any) :	Pre Clinical Orthodontics PDS 433		
8 - Co-requisites for this course (if any) :	<ul style="list-style-type: none"> • None 		
9 - Location if not on main campus :	(.....)		
10 - Mode of Instruction (mark all that apply)			
A - Traditional classroom	<input checked="" type="checkbox"/>	What percentage?
B - Blended (traditional and online)	<input checked="" type="checkbox"/>	What percentage?	10 %
D - e-learning	<input type="checkbox"/>	What percentage? %
E - Correspondence	<input type="checkbox"/>	What percentage? %
F - Other (demonstration and practical exercises in Laboratory)	<input checked="" type="checkbox"/>	What percentage?	90 %
Comments :	Clinical sessions are conducted in the lab		

B Objectives

What is the main purpose for this course?
 Clinical orthodontics course is designed for undergraduate students to analyze and discuss management of orthodontic cases. This course provides them knowledge to identify and classify different



types of malocclusion. During clinical sessions students will be trained to distinguish moderate from complex problems, because this process determines which patients are appropriately treated within family (general dentistry) practice and which are most appropriately referred to a specialist. This course develops their skills to fabricate and manage the appliances necessary to treat simple cases. this will also enhance to manage orthodontic emergencies like broken appliance, debonded bracket, facial and /or oral trauma, poking wires, broken or lost retainers etc.

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

By clinical examination and group discussions for the management of moderate orthodontic problems.

C. Course Description

1. Topics to be covered

Clinical session

Exercise	No. of Weeks	Contact Hours
Patient's history, clinical examination, and diagnostic records.	2	6
Analysis of diagnostic records.	2	6
Case discussion, diagnosis and treatment planning.	1	3
Fabrication and management of removable appliance	1	3
Fixed orthodontic appliances – banding and bonding (demonstration)	1	3
Management of orthodontic emergencies- severe /	2	3



or prolonged pain, swelling, facial and / or oral trauma, broken brackets , band or wires, poking wires etc.		
Problem based - learning- tutorial session to analyze and discuss class I/II III orthodontic case.	3	9
Problem based learning- tutorial session to analyze and discuss orthognathic (orthodontic surgical) case.	1	3
Problem based learning- tutorial session to analyze and discuss functional/ orthopaedic case.	1	3

Note: students should follow their respective cases every week.

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

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	3	42
Credit	1	14

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

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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	Basic knowledge regarding the clinical examination, recording history and investigations required for	Clinical sessions-	Clinical examination



	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
	diagnosis and treatment planning of orthodontic case.	demonstrations discussion, audiovisual,	Quiz
1.2	Knowledge of interpretation of diagnostic records and to distinguish between pathological and developmental problems..	Clinical sessions- demonstrations, practical exercise, discussion, audiovisual	Clinical examination Quiz
1.3	Knowledge of the adverse effects of orthodontic treatment and its management. of orthodontic emergency.	Clinical sessions- demonstrations discussion, audiovisual	Clinical examination, Quiz
1.4	Knowledge of different types of appliances used in orthodontics.	Demonstrations, Discussions	Clinical examination, Quiz
1.5	Identify and management of orthodontic emergency.	Demonstrations, Discussions	Clinical examination, Quiz
1.6	Students can assess orthodontic referral need	Demonstrations, Discussions	Clinical examination, Quiz
2.0	Cognitive Skills		
2.1	Students should be able to diagnose case.	Clinical sessions- demonstrations discussion, Audiovisual aids	Clinical examination Quiz, Problem based learning
2.2	Students should be able to interpret inferences from diagnostic records	Clinical sessions- demonstrations discussion, Audiovisual aids	Clinical examination Quiz, Problem based learning
2.3	Should be able to make a treatment plan	Clinical sessions- demonstrations discussion	Clinical examination Quiz, Problem based learning
3.0	Interpersonal Skills & Responsibility		
3.1	Should be able to manage a group task and work with others	Students will be divided into	The group task will be





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
		small groups and tasks will be assigned to the group	supervised closely to evaluate the work done by each student
4.0	Communication, Information Technology, Numerical		
4.1	The students should use medical terminology in English, verbally	Seminar presentation	Seminar evaluation
4.2	The students should refer to the text book as well as internet web sites for more information.	Research and group discussions	Discussions and research presentation
5.0	Psychomotor		
5.1	The students should be able to fabricate removable appliances	Model demonstration; Practice during lab hours.	Weekly assessment; practical examination
5.2	Should be able to activate removable appliances	Model demonstration; Practice during lab hours.	Weekly assessment; practical examination

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

	Assessment task	Week Due	Proportion of Total Assessment
1	Homework, presentation, research	During the semester	
2	Midterm Exam	7 th	
3	Final Exam	14 th	
4	Behavior	During the semester	
5	Weekly practical assessment	During the semester	





D. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

Office hours

Sunday:

10:00 to 12:00 pm

Monday:

91:00 to 11:00 am

E. Learning Resources

1. List Required Textbooks :

Contemporary orthodontics: 4th edition

William R. Proffit

2. List Essential References Materials :

- Orthodontics: the art and science: 4th edition
- S.I. Bhalaji

3. List Recommended Textbooks and Reference Material :

Textbook of Orthodontics

4. List Electronic Materials :

- Wire bending demonstration videos

5. Other learning material :

- American journal of Orthodontics and Dentofacial Orthopedics
- The Angle Orthodontist – an international journal of Orthodontics and Dentofacial Orthopedics

F. Facilities Required

1. Accommodation

- Clinic
- A laboratory to fabricate appliances

2. Computing resources

- Dental clinic with instruments required to treat orthodontic patient
- X- ray- IOPA, OPG, Lateral cephalogram, Occlusal etc.

3. Other resources

- Material required to fabricate removable, functional orthopedic appliances- acrylic, dental plaster, dental stone, articulator etc.





G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching:

- The students will be given a feedback form, which can be submitted to the course director or to the dean which will help in improvement of the subject teaching

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

- The head of the department or the Dean has informal meetings with groups of students to discuss the contents of the course, method of teaching to evaluate the course and the instructor.
- The dean randomly attends clinical sessions to assess the instructor.

3 Processes for Improvement of Teaching :

- 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

Other staff members are invited to attend the case presentation and seminar presentation of students to verify the standards of student learning and their work.

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

- Meetings will be conducted every week in the department to update the status of each student and the difficulties felt by the colleague will be resolved accordingly.

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

Course's Coordinator

Name : Zuber Ahamed

Naqvi

Signature :

Date :

Department Head

Name: Dr. Mohammed

Helmy Salama

Signature :

Date :

