



ATTACHMENT 5.

T6. COURSE SPECIFICATIONS (CS)

Course title: Orthodontics II
Course Code: 513 VDS
Level: 11
1439-2017

Course Specifications

Institution: NAJRAN UNIVERSITY	Date: 5/ 5/ 2018
College/Department : Department of Preventive Dental Sciences	

A. Course Identification and General Information

1. Course title and code: Orthodontics II/ 513 VDS			
2. Credit hours: 3 hrs. (2Theory + 1clinical).			
3. Program(s) in which the course is offered: Bachelor of Dental Surgery (BDS). (If general elective available in many programs indicate this rather than list programs)			
4. Name of faculty member responsible for the course: Dr/ Bandar Alyami.			
5. Level/year at which this course is offered: level 11/5th year (after preparatory year)			
6. Pre-requisites for this course (if any): None			
7. Co-requisites for this course (if any): None			
8. Location if not on main campus: Main campus			
9. Mode of Instruction (mark all that apply):			
a. traditional classroom	<input type="checkbox"/>	What percentage?	<input type="checkbox"/>
b. blended (traditional and online)	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="60%"/>
c. e-learning	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="10%"/>
d. correspondence	<input type="checkbox"/>	What percentage?	<input type="text" value=""/>
f. other: Clinical	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="30%"/>
Comments: No comments			

B Objectives

1. What is the main purpose for this course?

This course is an advanced course for undergraduate students which is of two parts; theoretical and clinical parts. The clinical course introduces the dental student to the practice of clinical orthodontics. The primary goal of this course is to reinforce didactic concepts taught in the previous orthodontic course and build upon them in a manner that will better prepare the student to recognize, communicate and manage orthodontic problems in the general dentistry setting. The students will:

- Earn adequate efficiency in orthodontic diagnosis.
- Have knowledge about orthodontic appliances.
- Be able to make cephalometric and study cast analysis.

2. Briefly describe any plans for developing and improving the course that are being implemented. (e.g. increased use of IT or web based reference material, changes in content as a result of new research in the field):

- Organize field visits for collecting data from school children.
- Increase the use of different forms and methods of active learning

C. Course Description (Note: General description in the form used in Bulletin or handbook)

Course Description:

The course is given in two parts: theory and clinical. the students have to attend, set for exam and pass the overall results. They have to submit a complete case report and seminar by the end of semester.

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact Hours
Introduction to the course	1	2
Preventive Orthodontics	1	2
Interceptive Orthodontics	1.5	3
Myofunctional Therapy	1	2
Removable orthodontic appliances	1	2
Introduction to Fixed Orthodontic Appliances	1	2
Points in Biomechanics & Anchorage	1.5	3
Smile Consideration	1	2
Class I Malocclusion	1	2
Class II Malocclusion	1	2
Class III Malocclusion	1	2
Retention and Relapse	1	2

Cleft Lip and Palate	1	2
Seminars	1	2
Total	15	30

Clinical Sessions		
Tasks	No. of Weeks	Contact Hours
Demo and clinical diagnosis	2	6
Impression and cast pouring	2	6
Photo and radiographing	2	6
Case sheet	2	6
Cephalometric analysis	2	6
Study cast analysis	2	6
Case presentation	3	9

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

		Lecture	Tutorial	Clinical	Practical	Other:	Total
Contact Hours	Planned	30		45			75
	Actual	30		45			75
Credit	Planned	2		1			3
	Actual	2		1			3

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

3 hrs.

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	Knowledge		
1.1	Define Preventive and interceptive orthodontic, different types of malocclusion and different types of tooth movement.	Lectures Clinical Demonstration & Video Presentation	Written Exam Oral Exam Clinical Exam
1.2	Describe dental malocclusion and orthodontic appliances.	Lectures	Written Exam Oral Exam
2.0	Cognitive Skills		

2.1	Analyze the findings from the patient's history, clinical and radiographic exam to formulate differential diagnosis and suggest the treatment plan.	Lectures Clinical Demonstration & Video Presentation	Written Exam Oral Exam Clinical Exam Case presentation
2.2	Evaluate the preventive procedures to prevent malocclusion and the ability of orthodontic appliances.	Lectures Clinical Demonstration & Video Presentation	Clinical Exam Oral Exam Case presentation
3.0	Interpersonal Skills & Responsibility		
3.1	Show effectively the team roles at all level in a scientific and professional manner using verbal, IT and written methods and make decisions depending on analytical basis.	Lectures Clinical Demonstration	Oral Exam Clinical Exam
4.0	Communication, Information Technology, Numerical		
4.1	Interpret information clearly in written, electronic and oral forms and apply effectively the psychological considerations of orthodontic patients.	Lectures Clinical Demonstration Seminars	Written Exam Oral Exam Clinical Exam Case presentation
4.2	Demonstrate the responsibility and the ability to share the information and professional opinions and research ideas.	Lectures Clinical Demonstration Seminars	Oral Exam Clinical Exam
5.0	Psychomotor		
5.1	Perform the orthodontic assessment and develop a design and lab work of orthodontic Hawley appliance.	Clinical Demonstration & Video Presentation	Oral Exam Clinical Exam

5. Schedule of Assessment Tasks for Students During the Semester			
	Assessment task (e.g. essay, test, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	Quizzes	3,5,9,10,12	10
2	Seminar	15	5
3	Midterm (written)	9	20
4	Midterm (clinical)	9	10
5	Final (clinical)	16	15

6	Final (written)	17	30
7	Final (Oral)	17	10
	Total		100%

D. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week):

- **Dr. Bandar Alyami**
Office No.: SF 170
Office Hours: 3 Hrs.
E-mail: bandar_s_1@hotmail.com
Landline: 017/5428967
- **Dr. Ahmed Alassiry**
Office No.: SF 168
Office Hours: 3 Hrs.
E-mail: ahmedassiry@hotmail.com
Landline: 017/5427291
- **Dr. Maktoom Alqadi**
Office No.: SF 171
Office Hours : 3 Hrs.
E-mail: m73827842@yahoo.com
Landline: 017/5428541

E Learning Resources

1. List Required Textbooks
 - **Text Book of orthodontics 2nd edition; by G. Singh, Jaypee Brothers Medical Publishers, 2007.**
 - **Contemporary Orthodontics 5th edition; by W. Proffit, Publishing Services Manager, 2007.**
2. List Essential References Materials (Journals, Reports, etc.):
 - **Angle Orthodontists (journal)**
3. List Electronic Materials (eg. Web Sites, Social Media, Blackboard, etc.)
 - Saudi Digital Library SDL
 - Orthodontic Journals
 - Blackboard.
 - www.youtube.com

4. Other learning material such as computer-based programs/CD, professional standards or regulations and software.
- None

F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access etc.)

1. **Accommodation** (Classrooms, laboratories, demonstration rooms/labs, etc.)

- One classroom of 20 seats facilitated with internet access and white board.
- One lab. integrated with digital camera and screens.
- Dental Clinics of 20 dental units.

2. **Computing resources** (AV, data show, Smart Board, software, etc.):

- Data Show.
- cephalometric Tracing Software.
- Cast Analysis Software
- Digital Camera.
- Screens.
- Digital Cephalometric and OPG X-ray machine

3. **Other resources** (specify, e.g. if specific laboratory equipment is required, list requirements or attach list):

- Dental units
- Orthodontic lab
- Tracing paper
- Impression materials
- Photographing mirrors

G Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching:

- Classroom discussion.
- Questionnaire.
- Exam results.

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

- Peer evaluation.
- Syllabus and plan check according to course report
- Evaluation of students results in Saudi Commission for Health Specialties SCFHS

3. Processes for Improvement of Teaching:

- Attending related workshops and conferences.
- Evaluation of course report.
- Meeting to discuss the strength and weak points in the course spec.

4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution):
- planning to collaborate with other dental colleges for peer review.

5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.
- Reevaluation every two years at least.
 - Periodic check for the topics covered.
 - Matching the students complains with the topics covered.
 - Evaluation of the outcomes achieved with the topics covered.
 - Evaluation of students results in Saudi Commission for Health specialties

Name of Course Instructor: Dr. Bandar Alyami.

Signature: Dr. Bandar Alyami

Date Specification Completed: 5/ 5/ 2018

Program Coordinator: Abdelnaser Emam

Signature : *Abdelnaser Emam*

Date Received: 5/ 5/ 2018