

T6. Course Specification (CS)

Institution	Najran University	Date	5/ 5/ 2018
College/Department	College of dentistry/Department of prosthetic dentistry (PDS)		

A. Course Identification and General Information:

1. Course title and code : Fixed Prosthodontics (Pre-clinical I) PDS 331			
2. Credit hours : 2(1 +1)			
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. Syed Yasir Qadiri			
5. Level/year at which this course is offered : Level 7/ year 3rd (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 College of Dentistry			
9. Mode of Instruction (mark all that apply)			
a. Traditional classroom	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	What percentage	<input checked="" type="text" value="60"/>
b. Blended (traditional and online)	<input type="text"/>	What percentage	<input type="text"/>
c. e-learning	<input type="text"/>	What percentage	<input type="text"/>
d. Correspondence(<input type="text"/>	What percentage	<input type="text"/>
f. Other	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	What percentage	<input checked="" type="text" value="40"/>
Comments:			
<ul style="list-style-type: none"> - Practical - Group discussion - E-learning 			

B. Objectives

<p>1. What is the main purpose for this course</p> <p>Overall aims of the course:</p> <p>This course aims to:</p> <ol style="list-style-type: none"> 1. Introduce the principles and technical procedures for tooth preparation. 2. Practice with students to demonstrate all the practical steps for tooth preparation of all fixed partial dentures in the phantom lab. 3. Train students to record teeth preparation with impression materials and transfer impressions to production lab.
<p>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)</p> <ol style="list-style-type: none"> 1. Continuous updating of the information, knowledge and skills included in the course through continuous search for the new knowledge and skills available in recent publications (books, researches, internet and others). 2. Verifying the information resources. 3. Continuous improvements in teaching methods as well as encouraging the students to participate effectively in the lectures. 4. Continuous evaluation of the course content, student level and establish plans accordingly.

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

<p>Course Description :</p> <p>This course is considered preclinical. Students are learnt the principles of tooth preparation and fixed prostheses. Also, they are trained in the phantom lab in tooth preparation for different kind of fixed prostheses.</p>

1. Topics to be Covered (Theoretical)		
List of Topics	NO. OF WEEKS	Contact Hours
Introduction to Fixed Prosthodontics	1	1
Principles of tooth preparation	2	2
Preparation of full coverage crowns and bridges (PFM and metal)	2	2

Preparation of all ceramic crowns	1	1
Preparation of porcelain veneer	1	1
Preparation of resin bonded bridge	1	1
Preparation of partial coverage crown	1	1
Preparation of badly damaged tooth	1	1
Post and core	1	1
Provisional restorations	2	2
Impression techniques	2	2
Total	15	15

1. Topics to be Covered (Practical)		
List of Topics	No. of week	Contact hours
Lab orientation and instruments	2	4
Preparation of porcelain fused to metal crown (anterior teeth)	2	4
Preparation of porcelain fused to metal crown (posterior teeth)	2	4
Preparation of all ceramic crown	2	4
Preparation of veneer	1	2
Preparation of resin bonded bridge	1	2
Preparation of Partially coverage crown	1	2
Provisional restorations for crowns	2	4
Impression	2	4
Total	15	30

2. Course components (total contact hours and credits per semester):							
		Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	Planned	15			30		45
	Actual	15			30		45
Credit	Planned	1			1		2
	Actual	1			1		2

3-Additional private study/learning hours expected for students per week	x 3 x
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4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy.

On the table below are the five NQF Learning Domains, numbered in the left column.

First, insert the suitable and measurable course learning outcomes required in the appropriate learning domains (see suggestions below the table)

Second, insert supporting teaching strategies that fit and align with the assessment methods and intended learning outcomes.

Third, insert appropriate assessment methods that accurately measure and evaluate the learning outcome. Each course learning outcomes, assessment method, and teaching strategy ought to reasonably fit and flow together as an integrated learning and teaching process. (Courses are not required to include learning outcomes from each domain).

Code #	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	Knowledge		
1.1	List the principles of tooth preparation	Lectures Group discussions	Written exams
1.2	List the steps of fixed denture construction	Lectures Group discussions Practical demonstrations Video presentations	Written exams Practical exams Continuous assessment
2.0	Cognitive Skills		
2.1	Analyze the information obtained about the biological and mechanical and aesthetical concepts of fixed partial	Lectures Group discussions Practical	Written exams Practical exams Continuous assessment

Code #	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
	denture construction.	demonstrations Video presentations	
2.2	Compare different materials and techniques used in laboratory for crown preparation.	Lectures Group discussions Practical demonstrations Video presentations	Written exams Practical exams Continuous assessment
3.0	Interpersonal Skills & Responsibility		
3.1	Demonstrate behavior toward dental team, supervisors and supporting staff which follows personal and social responsibility. Demonstrate the responsibility towards patient needs and collaborate with colleagues as a team work. Demonstrate respect to the instruments and materials in the dental lab in addition to the collaboration with team.	Role play exercises on controversial issues relevant to the course. Students will be guided and supervised by staff members	Practical exams
4.0	Communication, Information Technology, Numerical		
4.1	Operate and use technology in the phantom lab, communicate clearly in oral, written, and nonverbal form with the instructor, colleagues and lab technicians.	Practical sessions	Observational checklist Practical exam
5.0	Psychomotor		
5.1	Perform all the basic steps required for crown preparation up to an acceptable level in the phantom lab	Lectures Group discussions Practical demonstrations Video presentations	Final practical exam Continuous assessment
5.2	Demonstrate advance manual skills to become more efficient by repeatedly applying them in simulative lab in a correct sequence up to the delivery of a successful crown.	Lectures Group discussions Practical demonstrations Video presentations	Final practical exam Continuous assessment

5. Schedule of Assessment Tasks for Students During the Semester

Assessment tasks		Week Due	Proportion of Total Assessment
1	Quizzes	Weekly upon schedule	15%
2	Theoretical midterm exam	7	20%
3	Practical note book (including attitude and discussion in the lab)	13	20%
4	Final term practical exam	13	15%
5	Final term theory exam	15	30%
Total			100

D. Student Academic Counseling and Support

1. 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. Syed Yasir Qadiri (Course coordinator)

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Tuesday 9-10 am**

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Tuesday 9-10 am**

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E. Learning Resources

1. List Required Textbooks

a. **Contemporary Fixed Prosthodontics. Stephen F. Rosenstiel BDS MSD, Martin F. Land DDS MSD, Junhei Fujimoto DDS MSD DSc. 2016. 5th edition. Mosby**

b. **Fundamentals of Fixed Prosthodontics. Hobo, Whitsett, Jacobi Brackett, Shillingburg. 2012. 4th edition Quintessence Publishing (IL).**

2. List Essential References Materials (Journals, Reports, etc.)

a. **International Journal of Prosthodontics**

b. **Journal of Prosthodontics**

c. **Dental Material journal**

<p>c. List Electronic Materials Web Sites, Facebook, Twitter, etc http://www.ncbi.nlm.nih.gov/sites/entrez?db=pubmed http://www.sciencedirect.com/ http://www.ada.org/prof/ed/testing/index.html .</p>
<p>d. Other learning material such as computer-based programs/CD, professional standards or regulations and software. a. Animations to simplify the scientific ideas during lecture classes b. Video films demonstrating practical procedures</p>

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.)
<p>1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) a. Classroom 20 seats. b. Student phantom lab. c. Fixed prosthodontic lab. d. Projectors to be installed properly in class rooms</p>
<p>1. Computing resources (AV, data show, Smart Board, software, etc.) a. Computer with data show. b. Computer with internet access.</p>
<p>2. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list). Prosthodontic lab. have the following equipments: a- Phantom heads b- Micro motor. c- Contra angle hand piece d- Different shapes of cutting diamond burs e- Typodonts with all types of teeth</p>

G. Course Evaluation and Improvement Processes:

<p>1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching</p> <ul style="list-style-type: none"> a. Confidential feedback questionnaire from students b. Questioning at end of lectures c. Electronic students evaluation for courses
<p>2. Other Strategies for Evaluation of Teaching by the Instructor or by the department.</p> <ul style="list-style-type: none"> a- Staff member feedback. b- Peer evaluation. c- Team in the phantom lab
<p>3. Processes for Improvement of Teaching:</p> <ul style="list-style-type: none"> a- Constant reviewing and updating of recommended teaching methodologies. b- Regular feedback to staff members. c- Increase the number of staff. d- Attending workshops.
<p>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)</p> <ul style="list-style-type: none"> a. Faculty member of a sample of student assignment, b. Remarking of a sample of assignments with a faculty member in another institution c. Small group discussion in the lab under faculty supervision on rotation
<p>5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement</p> <p>Continuous course feedbacks from staff members and students are collected each semester. These feedback are then analyzed. Accordingly, recommendations for improvement will be established. After that, plan is design to fulfill these recommendations. Plan outcome will be reviewed in the department.</p>

Name of instructor: Dr. Syed Yasir Qadiri

Signature Dr. Syed Yasir Qadiri Date Report Completed: 5/ 5/ 2018

Name of field experience teaching staff : _____

Program coordinator : Dr Abdelnaser emam

Signature: Dr Abdelnaser emam

Date received 5/ 5/ 2018