



## **ATTACHMENT 5.**

# **T6. COURSE SPECIFICATIONS (CS)**

**Course title: Removable Prosthodontics Pre-clinical II**  
**Course Code: PDS232**  
**Level: 6**  
**1439-2018**



## Course Specifications

Institution: <b>Najran University</b>	Date: <b>5/ 5/ 2018</b>
College/Department :	

### A. Course Identification and General Information

1. Course title and code: <b>College of dentistry/Department of prosthetic dentistry (PDS)</b>			
2. Credit hours: <b>2 (1Th +1Pr )hrs</b>			
3. Program(s) in which the course is offered. <b>Bachelor Of Dental Surgery (BDS)</b> (If general elective available in many programs indicate this rather than list programs)			
4. Name of faculty member responsible for the course: <b>Dr. Alok Dwivedi</b>			
5. Level/year at which this course is offered: <b>Level 6/ year 2<sup>nd</sup>(after preparatory year)</b>			
6. Pre-requisites for this course (if any): <b>None</b>			
7. Co-requisites for this course (if any): <b>None</b>			
8. Location if not on main campus: <b>None</b>			
9. Mode of Instruction (mark all that apply):			
a. traditional classroom	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="60"/>
b. blended (traditional and online)	<input type="checkbox"/>	What percentage?	<input type="text"/>
c. e-learning	<input type="checkbox"/>	What percentage?	<input type="text"/>
d. correspondence	<input type="checkbox"/>	What percentage?	<input type="text"/>
f. other: Laboratory practical	<input checked="" type="checkbox"/>	What percentage?	<input type="text" value="40"/>
Comments: No comments			

## B Objectives

1. What is the main purpose for this course?

### Overall aims of the course:

The student should be able to list the biological and technical procedures for partial denture construction, should demonstrate all the laboratory steps for partial denture construction with an accepted level of performance. Also should be able to list and use all the materials, instruments and devices used for removable partial denture construction. The student should be able to recognize and correlate clinical procedures with laboratory steps.

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)

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 Bulletin or handbook)

Course Description: The course is given in two parts: theory and practical. The students have to attend, sit for exam and pass in the overall results. The students have to complete the pre-clinical requirement of four classes of removable partial dentures with all laboratory steps precisely done.

### 1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
1. Introduction to partial denture	1	1
2. Classification of partially edentulous arches	1	1
3. Dental surveyor.	1	1
4. Maxillary major connectors	1	1
5. Mandibular major connectors, and minor connectors	1	1
6. Rests and rest seats	1	1
7. Retention of RPD	1	1
8. Indirect retainers	1	1

9. Denture base	1	1
10. Tooth selection for partial denture	1	1
11. RPD Design	2	2
12. Laboratory steps in RPD construction	2	2

1. Practical sessions to be carried out:		
List of Practical steps	No. of Weeks	Contact Hours
1. Introduction to partial denture and orientation to laboratory	1	1
2. Construction of cast and Identification of partially edentulous arches	1	1
3. Identification of Dental surveyor and its tools	1	1
4. Surveying the casts of different edentulous classes	1	1
5. Identifying the maxillary major connectors	1	1
6. Identifying the mandibular major connectors	1	1
7. Preparation of occlusal rest seats on the casts	1	1
8. Preparation of incisal and cingulum rest seats on the cast	1	1
9. Drawing the design for all classes of edentulous arches	1	1
10. Block out and duplication of casts	1	1
11. Block out and duplication of casts	2	2
12. Laboratory steps in RPD construction ( Investing, casting )	2	2
13. Revision	1	1
<b>TOTAL</b>	<b>15</b>	<b>15</b>

2. Course components (total contact hours and credits per semester):							
		Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	Planed	14	2	26			42
	Actual	14	2	26			42
Credit	Planed	1		1			2
	Actual	1		1			2

3. Additional private study/learning hours expected for students per week.	3
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4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy
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**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
<b>1.0</b>	<b>Knowledge</b>		
1.1	List the principles of partial denture (RPD), the types of maxillary and mandibular major connectors, and the steps of partial denture construction.	Lectures Group discussions Practical demonstrations Video presentations	Written exams
1.2	List factors affecting the selection of RPD teeth, the design specifications for each of the rests and similar components.	Lectures Group discussions Practical demonstrations Video presentations	Written exams
<b>2.0</b>	<b>Cognitive Skills</b>		
2.1	Analyze the information obtained about the biological and mechanical concepts of partial denture construction.	Lectures Group discussions Practical demonstrations Video presentations	Written exams Practical exams Continuous assessment
2.2	Explain the effect of a prosthesis on oral function and facial harmony and the technical procedures for and partial denture construction.	Lectures Group discussions Practical demonstrations Video presentations	Written exams Practical exams Continuous assessment
<b>3.0</b>	<b>Interpersonal Skills &amp; Responsibility</b>		
3.1	Show behavioral ethics with teaching staff, colleagues and compassion for patient.	<i>Each group of students will prepare an essay</i>  <i>Role play exercises on controversial issues relevant to the course.</i>	Practical exams  Continuous assessment  Research seminar

		Students will be guided and supervised by staff members	
3.2			
<b>4.0</b>	<b>Communication, Information Technology, Numerical</b>		
4.1	Demonstrate communication with the lab in verbal and written form with clarity to communicate the technician effectively.	Operate and use computer technology to do statistics, analyzing data perfectly, communicate clearly in oral, written, and nonverbal form with the instructor, referral, dental team, colleagues and lab technicians.	E learning exam in the e-learning lab.
4.2			
<b>5.0</b>	<b>Psychomotor</b>		
5.1	Demonstrate all the basic laboratory steps required for partial dentures construction up to an acceptable level.	Demonstration for all the laboratory steps for partial denture construction	Mid-term Practical exam Final practical exam Continuous assessment Practical note book

5. Schedule of Assessment Tasks for Students During the Semester			
	Assessment task (i.e., essay, test, quizzes, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	First quiz	5	5%
2	Practical midterm exam	7	10%
3	Theoretical midterm exam	10	20%
4	Quiz-II	12	5%
5	Practical note book	15	10%
6	Final term practical exam	16	20%
7	Final term theory exam	17	30%
8	<b>Total</b>		<b>100%</b>

#### 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. Alok Dwivedi (Course coordinator)**

**Office No. # 175**

**Office Hrs - Mon1-2pm and  
Thursday 8-9 am**

**Email: - at1970c@yahoo.co.in**

**Mobile No. - 0550904375**

**Dr. Abdel Nasser Emam**

**Office No. # 107**

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Thursday 8-10 am**

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#### E Learning Resources

1. List Required Textbooks:
2. **Stewart KL, Rudd, KD. Kuebker, WA: Clinical Removable Partial prosthodontics. 3<sup>rd</sup> Ed. Quintessence publishing co. Chicago 20036**
3. **Carr AB. McGiveney GP, Brwon DP. Mc Cracken's removable partial prosthodontics. 11<sup>th</sup> Ed. Elsevier Mosby, St. Luis, 2005**

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

**a. International Journal of Prosthodontics**

**b. British Dental Journal**

b. 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>

. Saudi digital library

[www.youtube. com](http://www.youtube.com)

4. 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

## F. Facilities Required

	<p>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> <ol style="list-style-type: none"> <li>1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)</li> <li>2. Classroom 20 seats.</li> <li>3. Student prosthodontic lab.</li> <li>c- Acrylic prosthodontic lab.</li> </ol>
	<ol style="list-style-type: none"> <li>1. Computing resources (AV, data show, Smart Board, software, etc.) <ol style="list-style-type: none"> <li>a. Computer with data show.</li> <li>b. Computer with internet access.</li> </ol> </li> <li>2. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list). Prosthodontic lab. have the following equipments: <ol style="list-style-type: none"> <li>a- Bunsen burner.</li> <li>b- Micro motor.</li> <li>c- Vibrator.</li> <li>d- Trimmer.</li> <li>e- Acrylic curing unit.</li> <li>f- Wax elimination unit.</li> <li>g- Polishing bench motor.</li> </ol> </li> </ol>

## G Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching	<ol style="list-style-type: none"> <li>a. Confidential feedback questionnaire from students</li> <li>b. Questioning at end of lectures</li> <li>c. Electronic central questionnaire for students evaluation of the course</li> </ol>
2. Other Strategies for Evaluation of Teaching by the Instructor or by the Department	<ol style="list-style-type: none"> <li>a- Staff member feedback.</li> <li>b- Peer evaluation.</li> </ol>
3. Processes for Improvement of Teaching	<ol style="list-style-type: none"> <li>a- Constant reviewing and updating of recommended teaching methodologies.</li> <li>b- Regular feedback to staff members.</li> <li>c- Increase the number of staff.</li> <li>d- Attending workshops.</li> </ol>
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)	<ol style="list-style-type: none"> <li>a. Faculty member of a sample of student assignment,</li> </ol>



- b. Periodic exchange for advisory staff member.
- c. Remarking of a sample of assignments with a faculty member in another institution
- d. Small group discussion in the lab under faculty supervision on rotation
- e. Head of department and department committee will recheck and reevaluate students requirements,
- f. All staff involved of the course will contribute in the evaluation of the student work.

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

- a- Teaching staff will analyze the student's evaluation report of the course which appear on academic university system.
- b- Yearly reevaluation of course curriculum by head of department and department committee.
- c- Regular evaluation for exams results after each exam in department meeting.
- d- Collaboration with course directors in other dental colleges.

**Name of instructor \_Dr. Alok Dwivedi**

**Signature : *AkDwivedi* Date Report Completed: 5/ 5/ 2018**

**Name of field experience teaching staff :**

**Program coordinator : Dr: Abdel Naser Emam**

**Signature: *Ansram* Date received 5/ 5/ 2018**