



## **ATTACHMENT 5.**

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

**Course title: Removable Prosthodontics Pre-clinical I**  
**Course Code: PDS231**  
**Level: 5**  
**1439-2017**



## Course Specifications

Institution: <b>Najran University</b>	Date: <b>5/5/2018</b>
College/Department : <b>College of dentistry/Department of prosthetic dentistry (PDS)</b>	

### A. Course Identification and General Information

1. Course title and code: <b>Removable Prosthodontics (Pre-clinical I ) PDS 231</b>			
2. Credit hours: : <b>4 (2Th +2Pr )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 5/ 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 complete denture construction, should demonstrate all the laboratory steps for complete denture construction with an accepted level of performance. Also should list and use all the materials, instruments and devices used for complete 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 conducted 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 one maxillary and mandibular complete denture.

### 1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
1. Introduction to complete denture	1	2
2. Anatomy in relation to complete denture	2	4
4. Impression trays and cast	1	2
5. Posterior palatal seal (post dam)	1	2
6. Relief in complete denture	1	2
7. Record blocks	1	2
8. Articulators and Face bow	1	2

9. Selection of artificial teeth for complete denture	1	2
10. Setting up of artificial teeth	1	2
11. materials for complete dentures	1	2
12. Waxing up of complete denture	1	2
13. Processing of Complete denture	1	2
14. Repair of complete denture	1	2
15. Revision	1	2
<b>Total</b>	<b>15</b>	<b>30</b>

Practical Sessions to be carried out:		
List of Practical Steps	No. of Weeks	Contact Hours
1. Introduction to complete denture and orientation to Prosthodontic lab	1	2
2. Making the Upper and Lower cast and Identifying the landmarks	2	4
4. Making the spacer on Upper and Lower cast	1	2
5. Constructing the upper tray	1	2
6. Constructing the lower tray	1	2
7. Preparation of upper Record block	1	2
8. Preparation of Lower Record block	1	2
9. Articulating the upper and lower cast	1	2
10. Selecting the artificial teeth	1	2
11. Setting up the upper and lower teeth	2	4
12. Waxing up of complete denture	1	2
13. Processing of Complete denture	1	2
14. Repair of complete denture	1	2
<b>Total</b>	<b>15</b>	<b>30</b>

2. Course components (total contact hours and credits per semester):							
		Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	Planed	30	4	56			90
	Actual	30	4	56			90
Credit	Planed	2		2			4
	Actual	2		2			4

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

3

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
<b>1.0</b>	<b>Knowledge</b>		
1.1	Identify the anatomical landmarks in relation to complete denture construction and the position and dimensions of post dam.	Lectures Group discussions	Written exams
1.2	List steps involved and materials used in construction of the custom impression tray, master cast and bite block.	Lectures Group discussions Practical demonstrations Video presentations	Written exams Continuous assessment
1.3	List function & importance of type of face bow & articulator and the steps of denture processing.	Lectures Group discussions Practical demonstrations Video presentations	Written exams Continuous assessment
<b>2.0</b>	<b>Cognitive Skills</b>		
2.1	Analyze the information obtained about the biological and mechanical concepts of complete denture construction, and explain the technical procedures for complete denture construction	Lectures Group discussions Practical demonstrations Video presentations	Written exams Practical exams Continuous assessment
2.2	Evaluate different materials and techniques used in laboratory for complete 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	Demonstrate team work with colleagues & problem based learning and participate in	Each group of	Practical exams

	class discussion	students will prepare an essay  Role play exercises on controversial issues relevant to the course.  Students will be guided and supervised by staff members	Continuous assessment
3.2			
<b>4.0</b>	<b>Communication, Information Technology, Numerical</b>		
4.1	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.	-Digital x rays system and connecting program in pre-clinical lab  -E learning library	Student's evaluation in the E.learning lab.
<b>5.0</b>	<b>Psychomotor</b>		
5.1	Demonstrate all the basic laboratory steps required for complete dentures construction up to an acceptable level.	Demonstration for all the laboratory steps for complete denture construction	Mid-term Practical exam Final practical exam Continuous assessment
5.2			

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**

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Thursday 8-9 am**

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**Dr. Abdel Nasser Emam**

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#### E Learning Resources

1. List Required Textbooks:

- a. **Sheldon Winkler, W.B. 1988. , Essentials of Complete Denture Prosthodontics, Saunders 3<sup>rd</sup> Edition**
- b. **Zarb G.A., Bolender CL, Carlson, G. Prosthodontic Treatment for Edentulous Patients: 11<sup>th</sup>. Ed. The C.V.Mosby Company St-Louis,; 1997**

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

- a. **International Journal of Prosthodontics**
- b. **British Dental Journal**

d. 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>

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

	<ol style="list-style-type: none"> <li>1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching <ol style="list-style-type: none"> <li>a. Electronic central questionnaire for students evaluation of the course</li> </ol> </li> </ol>
	<ol style="list-style-type: none"> <li>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> </li> </ol>
	<ol style="list-style-type: none"> <li>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> </li> </ol>
	<ol style="list-style-type: none"> <li>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> <li>b. Periodic exchange for advisory staff member.</li> <li>c. Remarking of a sample of assignments with a faculty member in another institution</li> </ol> </li> </ol>



d. Small group discussion in the lab under faculty supervision on rotation

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

- a- Continuous course feedback from staff members and students.
- b- Continuous update for the teaching philosophy.
- c- Regular evaluation for exams results.
- d- Consultation with teaching expert

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: *Abdel Naser Emam* Date received 5/5/2018