

## COURSE PLAN

### FIRST: BASIC INFORMATION

#### College

College : Irbid College  
 Department : Medical Department

#### Course

Course Title : Fixed Dental Prosthetics  
 Course Code : **020813162**  
 Credit Hours : 2 (2 Theoretical, 0 Practical)  
 Prerequisite :

#### Instructor

Name :  
 Office No. :  
 Tel (Ext) :  
 Email :  
 Office Hours :

Building	Day	Start Time	End Time	Room No.

#### Text Book

Title Void, JD Dental laboratory technology: fixed and special prosthodontic and orthodontic appliances. Dept. of the Air Force, Headquarters US Air Force, 1999

#### References

1. Void, JD Dental laboratory technology: fixed and special prosthodontic and orthodontic appliances. Dept. of the Air Force, Headquarters US Air Force, 1999
2. Shillingburg, Herbert T. (and others). Fundamentals of Fixed Prosthodontics. 3rd ed. Chicago: Quintessence, 1997.
3. Murray, H.V. and Sludre, T.B. Fixed Restorative Techniques (Dental Laboratory Technology Manuals) Rev. ed. University of North Carolina Press, 1989.

### SECOND: PROFESSIONAL INFORMATION

#### COURSE DESCRIPTION

This course covers the theory of fixed dental prosthetics. This course provides definitions and types of fixed dental prostheses, materials used for manufacturing and manufacturing methods.

#### COURSE OBJECTIVES

The objectives of this course are to enable the student to do the following:

- Explain the theoretical background of fixed dental prosthetics.
- Explain types of fixed dental prostheses.
- Explain the materials of fixed dental prostheses.
- Explain the manufacturing process of fixed dental prostheses.

### COURSE LEARNING OUTCOMES

By the end of the course, the students will be able to:

- CLO1. Explain the theory of fixed dental prosthesis  
 CLO2. Explain the types of fixed dental prostheses  
 CLO3. Explain the materials of fixed dental prostheses  
 CLO4. Explain the manufacturing method of fixed dental prostheses

### COURSE SYLLABUS

Week	Unit	Content	Related LO and Reference (Chapter)	Proposed assignments
1	Fixed Dental Prosthesis	<ul style="list-style-type: none"> <li>• Introduction of fixed dental prostheses</li> <li>• Types of fixed dental prostheses</li> <li>• Composition of fixed dental prosthesis</li> </ul>	CLO1	
2	Manufacturing Process of Fixed Dental Prosthesis	<ul style="list-style-type: none"> <li>• Introduction to the production process</li> <li>• Manufacturing process by type of prosthesis</li> <li>• Type of manufacturing method</li> </ul>	CLO2	
3	Impression of Fixed Dental Prosthesis	<ul style="list-style-type: none"> <li>• Introduction to the impression method</li> <li>• Types of impression taking</li> <li>• Impression method</li> </ul>	CLO3	
4	Die and Model of Fixed Dental Prosthesis	<ul style="list-style-type: none"> <li>• Introduction and types of models</li> <li>• Model making method</li> <li>• Die making method</li> </ul>	CLO3	
5	Wax Pattern of Fixed Dental Prosthesis	<ul style="list-style-type: none"> <li>• Introduction of wax pattern</li> <li>• Types of wax patterns</li> <li>• Wax pattern production method</li> </ul>	CLO3	
6	Sprue of Fixed Dental Prosthesis	<ul style="list-style-type: none"> <li>• Introduction of wax pattern sprue</li> <li>• Types of wax pattern sprues</li> <li>• Sprue connection method to wax pattern</li> </ul>	CLO4	
7	Investment of Fixed Dental Prosthesis	<ul style="list-style-type: none"> <li>• Investment material properties</li> <li>• Type of investment material</li> <li>• Investment material use method</li> </ul>	CLO4	
8	<b>Mid-term Exam</b>			
9	Burn Out for Fixed Dental Prosthesis	<ul style="list-style-type: none"> <li>• Introduction to Burn Out</li> <li>• Types of burn out</li> </ul>	CLO4	

Week	Unit	Content	Related LO and Reference (Chapter)	Proposed assignments
		<ul style="list-style-type: none"> <li>• Burn out equipment and method of use</li> </ul>		
10	Casting of Fixed Dental Prosthesis	<ul style="list-style-type: none"> <li>• Introduction to casting</li> <li>• Type of casting</li> <li>• Casting equipment and usage method</li> </ul>	CLO4	
11	Grinding of Fixed Dental Prosthesis	<ul style="list-style-type: none"> <li>• Introduction to grinding</li> <li>• Grinding materials and equipment</li> <li>• Grinding equipment usage method</li> </ul>	CLO4	
12	Polishing of Fixed Dental Prosthesis	<ul style="list-style-type: none"> <li>• Introduction to polishing</li> <li>• Polishing materials and equipment</li> <li>• Polishing equipment usage method</li> </ul>	CLO4	
13	Temporary Crown	<ul style="list-style-type: none"> <li>• Introduction of temporary crowns</li> <li>• Types of temporary crowns</li> <li>• Method of making temporary crowns</li> </ul>	CLO4	
14	Occlusion	<ul style="list-style-type: none"> <li>• Occlusion of <b>fixed dental prosthesis</b></li> <li>• <b>Occlusion applied to fixed dental prosthesis</b></li> </ul>	CLO1	
15	Articulator	<ul style="list-style-type: none"> <li>• Introduction to <b>articulator</b></li> <li>• Types of <b>articulators</b></li> <li>• Articulator usage method</li> </ul>	CLO1	
16	<b>Final Exam</b>			

### COURSE LEARNING RESOURCES

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### ONLINE RESOURCES

<a href="http://www.evolve.elsevier.com">www.evolve.elsevier.com</a> <a href="http://www.wirldcat.org">www.wirldcat.org</a> <a href="http://www.iti.org">www.iti.org</a>
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### ASSESSMANT TOOLS

grading distribution table evaluation activity	
homework	5
report	5
Queses	10
mid term exam	20
Experience/Attendance/Participation	10



final exam	50
Total	100%

**THIRD: COURSE RULES****ATTENDANCE RULES**

Attendance and participation are extremely important, and the usual University rules will apply. Attendance will be recorded for each class. Absence of 10% will result in a first written warning. Absence of 15% of the course will result in a second warning. Absence of 20% or more will result in forfeiting the course and the student will not be permitted to attend the final examination. Should a student encounter any special circumstances (i.e. medical or personal), he/she is encouraged to discuss this with the instructor and written proof will be required to delete any absences from his/her attendance records.

**GRADING SYSTEM****Example:**

Grade	Points
<b>FAILED</b>	<b>0-49</b>
<b>PASSED</b>	<b>50-100</b>

**REMARKS**

{The instructor can add any comments and directives such as the attendance policy and topics related to ethics }

**COURSE COORDINATOR**

**Course Coordinator:**  
**Signature:**  
**Date:**

**Department Head:**  
**Signature:**  
**Date:**