

COURSE PLAN

FIRST: BASIC INFORMATION

College

College : Irbid College
 Department : Medical Department

Course

Course Title : Fixed Dental Prosthesis Practice 2
 Course Code : **020813267**
 Credit Hours : 2 (0 Theoretical, 2 Practical)
 Prerequisite : **020813164***
 *Co-requisite

Instructor

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

Building	Day	Start Time	End Time	Room No.

Text Book

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

References

1. 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 practice of fixed dental prosthetics. It provides a method of using materials to make fixed dental prostheses, manufactures crown and bridge for fixed dental prosthetics.

COURSE OBJECTIVES

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

- Design the manufacturing process of fixed dental prostheses.
- **Make** impressions and models for making fixed dental prostheses
- **Make** wax pattern to make a fixed dental prosthesis
- **Perform the casting** for making fixed dental prostheses
- **Perform** grinding and polishing to make fixed dental prostheses
- **Make** temporary crown and bridge

COURSE LEARNING OUTCOMES

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

- CLO1. Design the manufacturing process for fixed dental prostheses.
 CLO2. **Make** work models for the manufacture of fixed prostheses
 CLO3. **Make** of wax patterns for the manufacture of fixed dental prostheses
 CLO4. **Perform** the casting process for manufacturing a fixed dental prosthesis
 CLO5. **Perform** grinding and polishing process of fixed dental prostheses
 CLO6. **Make** temporary crown and bridge

COURSE SYLLABUS

Week	Unit	Content	Related LO and Reference (Chapter)	Proposed assignments
1	Metal Crown and Bridge Manufacturing Process	<ul style="list-style-type: none"> • Introduction of metal crown manufacturing method • Types of metal crown and bridge manufacturing methods • Manufacturing process of metal crown 	CLO1	
2	Impression and Model	<ul style="list-style-type: none"> • Impression body use method • Dental stone use method 	CLO2	
3	Making of Working Cast	<ul style="list-style-type: none"> • Method of use of model trimming machine • Manufacturing of working cast 	CLO2	
4	Die Trimming	<ul style="list-style-type: none"> • Cutting of die from model • Finish line ditching • Application of die spacer 	CLO2	
5	Body Wax-up	<ul style="list-style-type: none"> • Waxing proximal cervical contact area • Waxing of the teeth body • Body contouring 	CLO3	
6	Wax-up	<ul style="list-style-type: none"> • Waxing of the occlusal surface • Groove forming • Trimming cervical margin 	CLO3	
7	Sprue	<ul style="list-style-type: none"> • Sprue material usage method • Sprue position setting method • Sprue connection method 	CLO4	



Week	Unit	Content	Related LO and Reference (Chapter)	Proposed assignments
8	Mid-term Exam			
9	Investing	<ul style="list-style-type: none"> Investing material usage method Investing machine use method Investing method 	CLO4	
10	Burn out	<ul style="list-style-type: none"> Electric furnace use method Burn out method 	CLO4	
11	Casting	<ul style="list-style-type: none"> Method of using metal melting machine Method of using centrifugal casting machine Casting cooling method 	CLO4	
12	Grinding	<ul style="list-style-type: none"> Grinding material and machine use method Grinding method 	CLO5	
13	Polishing	<ul style="list-style-type: none"> Polishing material and machine use method Polishing method 	CLO5	
14	Temporary crown	<ul style="list-style-type: none"> Method of using resin for temporary crown Resin temporary crown manufacturing 	CLO6	
15	Temporary crown polishing	<ul style="list-style-type: none"> Method of using the resin polishing material Polishing of resin temporary crowns 	CLO6	
16	Final Exam			

COURSE LEARNING RESOURCES

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ONLINE RESOURCES

www.evolve.elsevier.com www.worldcat.com www.iti.org
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ASSESSMENT 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
FAILED	0-49
PASSED	50-100

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: