

## COURSE PLAN

### FIRST: BASIC INFORMATION

#### College

College : Irbid College  
 Department : Medical Department

#### Course

Course Title : Basic Dental Laboratory Science  
 Course Code : **020813151**  
 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 : Basics of Dental Technology: A Step by Step Approach, Tony Johnson, David Patrick, Christopher Stokes et al Wiley Blackwell, 2015, 2nd Edition

#### References

1. Basics of Dental Technology: A Step by Step Approach. Tony Johnson, David Patrick, Christopher Stokes et al Wiley Blackwell, 2015, 2<sup>nd</sup> Edition
2. Techniques in complete denture technology. Johnson, Tony (Anthony Phillip) Wiley Blackwell, 2012 Sowter, J.B. and Barton, R.E.

### SECOND: PROFESSIONAL INFORMATION

#### COURSE DESCRIPTION

This course covers the dental industry for dental technicians. This course provides the basics of dental prosthetic treatment, types and manufacturing methods of dental prostheses, and management methods of dental laboratories.

#### COURSE OBJECTIVES

- The objectives of this course are to enable the student to do the following:
- Explain about dental treatment
  - Explain the dental industry and dental technicians
  - Classify types of dental prostheses and explain manufacturing methods
  - Explain the management of the dental laboratory

**COURSE LEARNING OUTCOMES**

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

- CLO1. Explain the work of a dental technician
- CLO2. Explain the types and methods of dental treatment
- CLO3. Explain the dental industry
- CLO4. Explain the types and manufacturing methods of dental prostheses
- CLO5. Explain the management of the dental laboratory

**COURSE SYLLABUS**

Week	Unit	Content	Related LO and Reference (Chapter)	Proposed assignments
1	Dental Technician	<ul style="list-style-type: none"> <li>• What is a dental technician?</li> <li>• Scope of work of dental technicians</li> <li>• Dental technician work example</li> </ul>	CLO1	
2	Dental Prosthetic Treatment	<ul style="list-style-type: none"> <li>• Introduction of dental prosthetic treatment</li> <li>• Types of dental prosthetic treatment</li> <li>• Principles of dental prosthetic treatment</li> </ul>	CLO2	
3	Dental Technician Industry	<ul style="list-style-type: none"> <li>• History of the dental industry</li> <li>• Scope of the dental industry</li> <li>• Materials and equipment for the dental industry</li> </ul>	CLO3	
4	Dental Impressions and Models	<ul style="list-style-type: none"> <li>• Introduction to dental impressions</li> <li>• Types of dental models</li> <li>• Type of dental impression</li> </ul>	CLO4	
5	Fixed Dental Prosthetics	<ul style="list-style-type: none"> <li>• Definition of fixed dental prosthesis</li> <li>• Types of fixed dental prostheses</li> </ul>	CLO4	
6	Inlay and Onlay	<ul style="list-style-type: none"> <li>• Definition of inlay and onlay</li> <li>• Types of inlay and onlay</li> <li>• Manufacturing process of inlay and onlay</li> </ul>	CLO4	
7	Metal Crown	<ul style="list-style-type: none"> <li>• Introduction of metal crowns</li> <li>• Materials used for metal crowns</li> <li>• Types of metal crowns and manufacturing process</li> </ul>	CLO4	
8	<b>Mid Exam</b>			
9	Ceramics crown	<ul style="list-style-type: none"> <li>• Introduction of ceramics crowns</li> <li>• Materials used for ceramics crowns</li> <li>• Types of ceramics crowns and manufacturing process</li> </ul>	CLO4	
10	Removable Dental Prosthetics	<ul style="list-style-type: none"> <li>• Definition of removable dental prosthesis</li> <li>• Types of removable dental prostheses</li> </ul>	CLO4	



Week	Unit	Content	Related LO and Reference (Chapter)	Proposed assignments
11	Removable Partial Denture	<ul style="list-style-type: none"> <li>• Introduction of removable partial denture</li> <li>• Materials used for removable partial denture</li> <li>• Types of removable partial denture and manufacturing process</li> </ul>	CLO4	
12	Complete Denture	<ul style="list-style-type: none"> <li>• Introduction of complete denture</li> <li>• Materials used for complete denture</li> <li>• Types of complete denture and manufacturing process</li> </ul>	CLO4	
13	Dental Orthodontics	<ul style="list-style-type: none"> <li>• Introduction of orthodontics</li> <li>• Classification of orthodontics</li> <li>• Types of orthodontics and manufacturing process</li> </ul>	CLO4	
14	Dental CAD/CAM	<ul style="list-style-type: none"> <li>• Introduction of dental CAD/CAM system</li> <li>• Composition of dental CAD/CAM system</li> </ul>	CLO4	
15	Dental Laboratory Management	<ul style="list-style-type: none"> <li>• Dental laboratory management</li> <li>• Hygiene operation of dental laboratory</li> </ul>	CLO5	
16	<b>Final Exam</b>			

### COURSE LEARNING RESOURCES

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### ONLINE RESOURCES

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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%
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**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
0-49	FAILED
50-100	PASSED

**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:**