

COURSE PLAN

FIRST: BASIC INFORMATION

College

College : Irbid College
 Department : Medical Department

Course

Course Title : Orthodontics
 Course Code : **020813271**
 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 Adams, C.P. and Kerr, W. J. S. The design, construction, and use of removable orthodontic appliances. London; Boston: Butterworth-Heinemann, 1990.

References

1. Graber, Thomas M., and Vanarsdall, Robert L., Jr., eds. Orthodontics: Current Principles and Techniques. 4th ed. St. Louis: Elsevier Mosby, 2005.
2. Void, JD Dental laboratory technology: fixed and special prosthodontic and orthodontic appliances. Dept. of the Air Force, Headquarters US Air Force, 1999.
3. Proffit, William R. (and others). Contemporary Orthodontics. 2d ed. St. Louis: Mosby-Year Book, 1993.
4. Adams, C.P. and Kerr, W. J. S. The design, construction, and use of removable orthodontic appliances. London; Boston: Butterworth-Heinemann, 1990.

SECOND: PROFESSIONAL INFORMATION

COURSE DESCRIPTION

This course covers the theory of orthodontic. It provides theories and biomechanical theories for orthodontics, characteristics and components of orthodontic appliances.

COURSE OBJECTIVES

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

- Explain the theory of orthodontic
- Explain the orthodontic mechanics
- **Classify** the type of orthodontic
- Explain the types of orthodontic appliances
- Explain the orthodontic appliance

COURSE LEARNING OUTCOMES

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

- CLO1. Explain the theory of orthodontic
- CLO2. Explain the orthodontic mechanics
- CLO3. Classify the type of orthodontic
- CLO4. Explain the types of orthodontic appliances
- CLO5. Explain the orthodontic appliance

COURSE SYLLABUS

Week	Unit	Content	Related LO and Reference (Chapter)	Proposed assignments
1	Orthodontic	<ul style="list-style-type: none"> • Introduction of dental orthodontic • Types of dental orthodontic 	CLO1	
2	Teeth growth and development	<ul style="list-style-type: none"> • Introduction to the growth of the arch • Introduction to the causes of development of the arch 	CLO1	
3	Normal Occlusion	<ul style="list-style-type: none"> • Introduce to centric occlusion • Classification of normal occlusion • Classification of malocclusion of teeth • Classification of skeletal malocclusion 	CLO1	
4	Biomechanics of Orthodontics	<ul style="list-style-type: none"> • Introduce to orthodontic force • Classification of teeth movements • Classification of teeth anchorage 	CLO2	
5	Classification of Orthodontic Removable Appliance	<ul style="list-style-type: none"> • Classification of removable appliance • Classification of functional appliance 	CLO3	
6	Component of Orthodontic Fixed Appliance	<ul style="list-style-type: none"> • Component of fixed appliance • Component of functional appliance 	CLO3	
7	Retainer	<ul style="list-style-type: none"> • Classification of retention • Classification of removable retainers • Classification of fixed retainers 	CLO4	
8	Midterm Exam			
9	Orthodontic Diagnostic Model	<ul style="list-style-type: none"> • Classification of orthodontic diagnostic model 	CLO5	



Week	Unit	Content	Related LO and Reference (Chapter)	Proposed assignments
		<ul style="list-style-type: none"> Manufacturing process of the diagnostic model 		
10	Diagnostic Set-up	<ul style="list-style-type: none"> Definition of a diagnostic set-up Manufacturing process of the diagnostic set-up Analysis of dentition and arch using a diagnostic model 	CLO2	
11	Removable Retainers	<ul style="list-style-type: none"> Banding process of labial bow, spring, Adams Positioning process of screw Manufacturing process of design and construction the acrylic resin bases 	CLO5	
12	Space Maintainers	<ul style="list-style-type: none"> Introduction to space maintainers Classification of space maintainers Manufacturing process of space maintainers lower lingual arch, band loop, crown loop 	CLO4	
13	Removable Orthodontic Expansion Appliances	<ul style="list-style-type: none"> Introduction to removable orthodontic expansion appliances Introduction to Schwarz appliance Introduction to sagittal appliance 	CLO5	
14	Basic Orthopedic Appliances	<ul style="list-style-type: none"> Introduction to bite plate, inclined plane, oral screen Introduction to mouth guard 	CLO5	
15	Functional Orthopedic Appliances	<ul style="list-style-type: none"> Introduction to functional appliance, activator, bionator Introduction to function regulator, Frankel appliance 	CLO5	
16	Final Exam			

COURSE LEARNING RESOURCES

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ONLINE RESOURCES

www.jco.online.com www.bardenortho.com www.ajodo.com
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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
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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: