

## Course Specification Student Version

Course Title:	Orthodontics -1
Course Code:	541 PDC
Department:	Dentistry
Program:	Bachelor of Dentistry
College:	Vision College in Riyadh
Institution:	Vision College in Riyadh
Revised:	July 2025

## A. Course Identification

1. Credit hours: 2 (1+1+0)
2. Level/year at which this course is offered: (5/10)
3. Pre-requisites for this course (if any): None
4. Co-requisites for this course (if any): None

## B. Teaching Methods

1	Lecture
2	(Simulation lab)

## C. Course Description and Objectives

<b>1. Course Description</b> The main purpose of this course is to provide the dental students with the necessary knowledge and skills that would enable them to diagnose orthodontic problems.
<b>2. Course Main Objective</b> The main purpose of this course is to provide the students with knowledge and laboratory skills that are relevant to the biological and technical aspects of orthodontics. Therefore, they would be able to understand growth development and diagnose orthodontic problems.

## D. Course Content

No	List of Topics
1	White lesions
1	Introduction
2	The aetiology and classification of malocclusion
3	Management of the developing dentition
4	Facial growth
5	Orthodontic assessment and treatment planning
6	Class I Occlusion
7	Class II div 1 and div 2 Occlusion
8	Class III Occlusion
9	Cephalometrics
10	Anchorage and biology of tooth movement
11	Retention
12	Removable and fixed appliances
13	Functional appliances

## E. Assessment Tools

#	Assessment task	Percentage of Total Assessment Score
1	Written Exam (Mid-term)	20%
2	Written Exam (Final)	30%
3	Simulation-based Exam	20%
4	Written Exam (Quizzes)	10%
5	Simulation-based Assessment	20%
	<b>Total</b>	<b>100%</b>



## F. Learning Resources

<b>Essential References</b>	1. Orthodontic diagnosis and treatment planning. In Bishara SE. textbook of orthodontics. 1 Edition Philadelphia: Saunders; 98-112, 2001
<b>Supportive References</b>	2. Orthodontic diagnosis and treatment planning in the primary dentition. Ngan P, Fields H. ASCD Journal of Dentistry in Children, 62 (1) :25-33 1995
<b>Electronic Materials</b>	3. Management of space problems in the primary and mixed dentition. Ngan p, Alkire RG, Fields H. Journal of American Dental Association, 130(9):1330-1339, 1999
<b>Other Learning Materials</b>	Introduction to Orthodontics (Chapters from the textbook) By: Thilander et al