

## Course Specification Student Version

<b>Course Title:</b>	Clinical Endodontics -1
<b>Course Code:</b>	RDC 521
<b>Department:</b>	Dentistry
<b>Program:</b>	Bachelor of Dentistry
<b>College:</b>	Vision College in Riyadh
<b>Institution:</b>	Vision College in Riyadh
<b>Revised:</b>	July 2025

## A. Course Identification

1. Credit hours: 2 (1+0+1)
2. Level/year at which this course is offered: Level 9/Year 5
3. Pre-requisites for this course (if any): (RDC 422) Preclinical Endodontics – 2
4. Co-requisites for this course (if any): None

## B. Teaching Methods

1	Lecture
2	Practical Session (clinic)

## C. Course Description and Objectives

### 1. Course Description

In this course, students will be taught how to:

1. Recognize that diagnosis and treatment planning for pulpal and periapical conditions should be part of a broader examination and treatment plan.
2. Identify emergency conditions that require immediate treatment and integrate their treatment into an overall treatment plan.
3. Discuss the prognosis of any suggested treatment.
4. Recognize the anatomic pathways of communication between the dental pulp and the periodontal ligament or gingival sulcus.
5. Describe possible short- and long-term responses of pulp, periradicular tissues, and hard tissues to different kinds of injuries.
6. Describe in brief the step-by-step procedures involved in periapical surgery, including those for incision and reflection, access to the apex, apical curettage, root-end resection, root-end preparation and filling, flap replacement, and suturing.

### 2. Course Main Objective

The main purpose of this course is to provide the students with a solid foundation in the basic concepts and scientific underpinnings of Endodontics, and to provide students with a comprehensive introduction to the fundamentals of Endodontology.

### 3. Course Objectives

By the end of this course, students should be able to:

- Showing the correct methodology for diagnosis for reaching the treatment plan.
- Being familiar with the different types of traumatic injuries.
- Discussing the role of endodontic surgery in treatment planning for a patient.
- Discussing the indications for endodontic emergency treatment.
- Explaining the endodontic-periodontal inter-relationship.
- Discussing how to select endodontic patient, how to deal with him, what to do & how to put a treatment plan for every case.
- Showing the correct methodology for diagnosis for reaching the treatment plan.

#### D. Course Content

No	List of Topics
1	Introduction to the course
2	Case selection and medically compromised patients
3	Diagnosis & Treatment planning
4	Preparation for clinical endodontic therapy
5	Endodontic emergencies and therapeutics
6	Endodontic and Periodontal Interrelationship
7	Management of Traumatic Dental Injuries
8	Endodontic surgery
9	Evaluation of Endodontic Outcomes

#### E. Assessment Tools

#	Assessment task	Percentage of Total Assessment Score
1	Written Exam (Midterm)	20%
2	Clinical Evaluation	40%
3	Clinical Exam	10%
4	Written Exam (Final)	30%
	<b>Total</b>	<b>100%</b>

## F. Learning Resources

<b>Essential References</b>	Endodontic principles and practices. Mahmoud Torabinejad and Richard 5th Walton; 6th Edition, 2020. Pathways of the Pulp. S. Cohen, and K. M. Hargreaves, K. Keiser.; 12th edition, 2020.
<b>Supportive References</b>	Little and Falace's Dental Management of the Medically Compromised Patient. 9th ed., 2018.
<b>Electronic Materials</b>	Online resources on MOODLE
<b>Other Learning Materials</b>	None