

## Course Specification Student Version

<b>Course Title:</b>	Preventive Dentistry
<b>Course Code:</b>	PDC 311
<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: 1 (1+0+0)
2. Level/year at which this course is offered: Level 5/Year 3
3. Pre-requisites for this course (if any): GDC 211
4. Co-requisites for this course (if any): None

## B. Teaching Methods

1	Lecture
2	Assignment

## C. Course Description and Objectives

### 1. Course Description

This is one credit hour course presents the core concepts of preventive dentistry, including an illustration of risk factors and risk assessment of dental caries and periodontal diseases with an emphasis on proper home care and the dentist role in their prevention. Personal oral health care including all the mechanical (tooth brushing and flossing) and chemical (dentifrices, fluoride therapy and moth rinse) methods of plaque control was discussed. Also, there is an emphasis on fluoride; its mechanism of action, types, methods of application, and its toxicity. Pit and fissure sealant as one of the most important primary preventive method was discussed. By the end of this course the students will be assigned to prepare primary, secondary, and tertiary preventive strategies for dental caries.

### 2. Course Main Objective

The main objective of the course is to understand:

- Basic concepts and principles of preventing dental diseases.
- Factors involved in the causation of dental caries and periodontal diseases.
- Different measures of primary prevention of the common dental diseases (dental caries and periodontal diseases).

### 3. Course Objectives

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

- Describe different methods and approaches of oral diseases' prevention at individual and community Levels.
- Different measures for prevention of the common oral diseases at community and individual levels.
- Demonstrate ethics and professionalism in dental practice.

## D. Course Content

No	List of Topics
1	Introduction
2	Concept of health & Prevention of Disease
3	Common oral diseases
4	Dental Plaque Biofilm
5	Risk Factors of Dental caries
6	Risk Assessment of Dental caries
7	Prevention of dental caries
8	Diet and Oral Diseases
9	Plaque control (Mechanical)
10	Plaque control (chemical)
11	Fluoride in dentistry
12	Pit and Fissure Sealants

## E. Assessment Tools

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

## F. Learning Resources

<b>Essential References</b>	<ul style="list-style-type: none"> <li>A TextBook of Public Health Dentistry, CM Marya JAYPEE, 1st Edition 2011.</li> </ul>
<b>Supportive References</b>	<ul style="list-style-type: none"> <li>International Journal of Dental Public Health</li> <li>Journal of International Society of Preventive &amp; Community Dentistry</li> <li>Journal of Caries Research</li> </ul>
<b>Electronic Materials</b>	<ul style="list-style-type: none"> <li><a href="https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/605266/Delivering_better_oral_health.pdf">https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/605266/Delivering_better_oral_health.pdf</a></li> <li><a href="http://www.youtube.com">www.youtube.com</a></li> <li><a href="http://www.slideshare.com">www.slideshare.com</a></li> <li><a href="http://www.pubmed.com">www.pubmed.com</a></li> </ul>
<b>Other Learning Materials</b>	<ul style="list-style-type: none"> <li>None</li> </ul>