

Course Specification Student Version

Course Title:	Oral Biology - 1	
Course Code:	DDC 251	
Department:	Dentistry	
Program:	Bachelor of Dentistry	
College:	ollege: Vision College in Riyadh	
Institution:	stitution: Vision College in Riyadh	
Revised:	July 2025	



A. Course Identification

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- 2. Level/year at which this course is offered: Level 3 / Year 2
- 3. Pre-requisites for this course (if any): None
- 4. Co-requisites for this course (if any): None

B. Teaching Methods

1	Lectures
2	Assignments

C. Course Description and Objectives

1. Course Description

This course offers an in-depth exploration of oral tissue histology and embryological development. The initial section introduces the fundamentals of histology, covering the structure of cells, cell division, and the various types of body cells found in the human body, with a particular focus on oral tissues. The course also provides a detailed study of the development of oral tissues and organs, with special emphasis on the development and eruption of teeth.

2. Course Main Objective

By the end of this course, students will have a comprehensive understanding of the embryological development and histology of oral tissues, as well as the development, eruption, and shedding of teeth.

3. Course Objectives

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

- Identify the structure, components, and functions of an animal cell, and gain a comprehensive understanding of cell division.
- Demonstrate a comprehensive understanding of the various types of tissues, organs, and systems, including their structure, function, and interrelationships.
- Discuss the structures derived from the three germ layers, including the development of the face and teeth
- Demonstrate a comprehensive understanding of the development of structures in the oro-facial region, including the branchial arches and the associated nerves and arteries, and developmental disorders.
- Explain the development, eruption, and shedding of teeth.
- Discuss the role of stem cells and their applications in medicine and dentistry, including their potential for regeneration, repair, and therapeutic innovations
- Interpret histological images of normal oral structures
- Illustrate histological features of oral and maxillofacial structures through detailed drawings.
- Demonstrate a strong sense of professional conduct in dentistry.





D. Course Content

No	List of Topics
1	Introduction and Orientation
2	Development and structure of cells and tissues
3	Structure and function of cells, tissues, and organs
4	Development of the oral facial region and Palate
5	Development of teeth
6	Eruption and shedding of the teeth
7	Stem Cells Applications

E. Assessment Tools

#	Assessment task	Percentage of Total Assessment Score
1	Written Exam (Midterm)	30%
2	Assignment	10%
3	Written Exam (Quizzes)	20%
4	Written Exam (Final exam)	40%
	Total	100%





F. Learning Resources

Essential References	Essentials of Oral Histology and Embryology. A Clinical Approach 4th edition	
Supportive References	Related reading material is available in the college library	
Electronic Materials	LMS, Online resources on MOODLE	
Other Learning Materials	None	

