



Course Specification of Credit Hour System

University: **Beni-Suef**

Faculty: **Dentistry**

Course Title: **Oral Histology and Embryology1**

Course code: **DOB213**

Program on which the course is given: **Bachelor's degree of Dental science, Graduate program**

Department offering the course: **Oral Biology**

Academic year: **2023-2024**

academic level: **2nd**

Semester: **1st**

Date of specification approval: **September 2023**

A-Basic Information

Academic Year:	2023-2024
Course Code:	DOB213
Course Theoretical (contact hours):	2h
Practical (contact hours)	2h
Total Hours: -	4h
Credit Hours	3h
Prerequisite if present:	Dental anatomy and General histology

B-Professional Information

1- Overall aims of course

by the end of the course, the student must be able to:

- Identify cells, and tissues of the oral cavity.
- Integrate physiological data & mechanisms and their clinical applications and differentiate different dental and para-dental tissues.
- Manipulate with microscope properly.

2-Intended learning outcomes of the course (ILOs)

a. Knowledge and Understanding:

- a1- Illustrate the structure and derivatives of branchial arches.

a2-Describe the steps of normal development of the nervous system, face, palate, tongue, and growth of the maxilla and mandible.

a3- Describe the histological and morphological structure of tooth developmental stages.

a4- Describe the histological structure of dental tissues.

a5- Mention the physical and chemical properties and unit structure of normal Enamel, Dentin, pulp, and Cementum.

a6- Describe Amelogenesis, Dentinogenesis and cementogenesis

b-Intellectual Skills:

b1- Differentiate between normal and abnormal development of nervous system, tongue, and face.

b2- Distinguish histological features of different stages of tooth development and its function and abnormalities.

b3- Evaluate age changes of dental tissues.

b4- Distinguish histological structure of different types of dental tissues (enamel, dentine, and cementum).

c- Professional and Practical Skills:

c1- Perform labeled diagrams of different stages of teeth development, Enamel, Dentine and Cementum.

c2- Perform labeled diagrams of Pulp

c3 – Use the light microscope properly.

d-General and Transferable Skills:

d1- Communicate with internet in research.

d2- Communicate with each other as a part of teamwork.

d3- Explain how to Use properly the equipment's in the manipulation.

d4- Write a report with a team.

d5- Improve presentation skills.

d6- Improve writing and speaking skills.

Contents:

Topic	Lecturer	No. of lectures	No. of practical sessions	Total Hours	Weighing of the topic	ILOs covered by this topic	Teaching method	Assessment methods
Embryology	Dr. Dalia Riad	3	3	12	21.4%	A1, a2, b1, c3, d1, d2, d6	-Lectures -Discussions during the lecture -Clinical photos and videos to illustrate subject -Practical sessions using light microscope	-All students will have an opportunity to personally interact and respond to answer questions during sessions -Quiz -Assignments in form of self-evaluated questions included at the end of chapter
Tooth development	Dr. Mohamed Yehia	3	3	12	21.4%	A3, b2, c1, c3, d2		
Enamel	Dr. Omayma mohamed	3	3	12	21.4%	A4, a5, a6, b3, b4, c1, c3, d2		
Dentin (two of them online)	Dr. Dalia Riad	3	3	12	21.4%	A4, a5, a6, b3, b4, c1, c3, d2		
Cementum (online)	Dr. Mohamed Yehia	1	1	4	7.2%	A4, a5, a6, b3, b4, c1, c3, d2		
Pulp	Dr. Mohamed Yehia	1	1	4	7.2%	A4, a5, b3, c2, c3, d2		

4- Teaching and Learning Methods

4.a Interactive lecture

4.b Demonstrations.

4.c Open discussion.

4.d Online sessions and Activities.

5- Student Assessment Methods

- Periodic evaluation

- Midterm.

- Practical

- Oral exam.

- Final written exam.

5-A Assessment Schedule

Assessment	Mid Term	Final Written	Practical exam	Oral exam	Periodic evaluations
Week	8th week	16th week	15th week	16th week	4 th week
					6 th week
					10 th week
					14 th week

5-B Weighting of Assessments

	Written	Practical	Midterm	Oral Exam	Year work	Total
Mark	40	20	10	10	20	100
Weighting	40%	20%	10%	10%	20%	100%

6- List of references:

- Lecture data available in the university's e-book platform
- Recommended textbook:

1-Ten Cate's Oral Histology: Development, Structure, and Function. St. Louis, Mo: Mosby, 9th edition, 2018. Print.

2-Orban's Oral Histology and Embryology. St. Louis: Mosby Yearbook, Print. Turabian (15th ed.), 2019.

7-Facilities Required for Teaching and Learning

Smart boards and fully equipped histological lab.

Course Coordinator:

Dr. Dalia Riad

Head of Department:

Prof. Ahmed Nabil Fahmy

Date: September 2023

A handwritten signature in black ink, appearing to read 'Dalia Riad', is positioned below the printed name of the Course Coordinator.