



Course Specification of Credit Hour System

University: **Beni-Suef**

Faculty: **Dentistry**

Course Title: **Oral Histology and Embryology 2**

Course code: **DOB224**

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: **2nd**

Date of specification approval: **September 2023**

A-Basic Information

Academic Year:	2023-2024
Course Code:	DOB224
Course Theoretical (contact hours):	2h
Practical (contact hours)	2h
Total Hours	4h
Credit Hours:	3h
Prerequisite if present:	Oral Histology and Embryology 1, 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 para-dental tissues.
- Manipulate with microscope properly.

2-Intended learning outcomes of the course (ILOs)

a. Knowledge and Understanding:

- a1- Describe the histological structure of paradental tissues.

- a2- Describe different stages of teeth active and passive eruption and its shedding.
- a3- Describe macro and micro anatomy of maxillary sinus, Temporo-mandibular joint, condylar movement and its clinical consideration.

b-Intellectual Skills:

- b1- Evaluate age changes of para dental tissues
- b2- Distinguish histological structure of different types of para dental tissues (periodontal tissues, bone and alveolar process, oral mucosa and salivary gland).
- b3- Classify the histological structure of oral mucosa and salivary glands
- b4- Compare between different stages of tooth eruption and shedding.
- b5- Correlate macro anatomy of maxillary sinus and Temporo-mandibular joint and their clinical application.

c- Professional and Practical Skills:

- c1- Perform labeled diagrams of Periodontal ligament.
- c2- Perform labeled diagrams of Bone and alveolar process.
- c3- Perform labeled diagrams of Mucous Membrane, Salivary Glands and maxillary sinus.
- c4- Perform labeled diagrams of Temporo-mandibular joint components.
- c5 – 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.

3.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
Periodontal ligament	Dr. Omayma mohamed	1	1	4	7.7%	a1, b1, b2, c1, c5, d2, d3	-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
Bone and alveolar process	Dr. Mohamed Yehia	2	2	8	15.4%	a1, b1, b2, c2, c5, d2, d3, d3		
Oral mucosa+ Dento-gingival junction (3 of them online lectures)	Dr.Dalia Riad	4	4	16	30.7%	a1, b1, b2, b3, c3, c5, d2		
Salivary glands +saliva	Dr.Asmaa fouad	2	2	8	15.4%	a1, b1, b2, b3, c3, c5, d2, d3		
Eruption	Dr. Mohamed Yehia	1	1	4	7.7%	a2, b4, c5, d2, d3		
Shedding	Dr. Mohamed Yehia	1	1	4	7.7%	a2, b4, c5, d2, d3		
Temporo-mandibulr joint	Dr. Omayma Mohamed	1	1	4	7.7%	a3, b5, c4, c5, d2, d3		
Maxillary sinus	Dr. Omayma Mohamed	1	1	4	7.7%	a3, b5, c3, c5, d2, d3		

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	18th week	15th week	18th week	4 th week
					6 th week
					11 th week
					14 th week

5-B Weighting of Assessments

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

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 lap.

Course Coordinator:

Dr. Dalia Riad

Head of Department:

Prof. Ahmed Nabil Fahmy

Date: September 2023

A handwritten signature in black ink, appearing to read 'Ahmed Nabil Fahmy', is written over a faint, light-colored rectangular stamp or watermark.