

1	Course title	Oral Histology Theory
2	Course number	<b>1301203</b>
3	Credit hours (theory, practical)	One credit hour (theory)
	Contact hours (theory, practical)	One hour/week
4	Prerequisites/corequisites	<b>1301204</b>
5	Program title	Doctor of Dental Surgery (DDS)
6	Program code	NA
7	Awarding institution	The University of Jordan
8	Faculty	Faculty of Dentistry
9	Department	Department of Oral Surgery, Oral Medicine and Periodontology
10	Level of course	Bachelor
11	Year of study and semester (s)	Second year, First semester
12	Final Qualification	DDS
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	Sept/2019

#### 16. Course Coordinator:

**Name:** Dr Firas Alsoleihat

**Office Number:** Faculty of Dentistry, 07

**Office Phone:** 23552

**E-mail:** [firmas.alsoleihat@ju.edu.jo](mailto:firmas.alsoleihat@ju.edu.jo)

**Office hours:** Sunday 10-12 am, Monday 10-11.

#### 17. Other instructors:

Dr. Heba Alzer

#### 18. Course Description:

This course is a basic course for the study of normal oral anatomy, histology and embryology. Students learn about the normal anatomy, histology and embryology of oral and dental structures/tissues including enamel, dentin, dental pulp, cementum, periodontal ligament, alveolar bone, oral mucosae, salivary glands, and temporo-mandibular joint.

**19. Course aims and outcomes:****A- Aims:**

- Understanding the normal histology of oral tissues
- Recognizing different oral tissues at the microscopic level
- Understanding the development of oral tissues
- Understanding the biology and physiology of oral tissues
- Correlating basic Oral Histology and Pathology with clinical practice.

**B- Intended Learning Outcomes (ILOs):** Upon successful completion of this course, students will be able to:

- 1- identify different oral tissues both at the macroscopic and microscopic levels.
- 2- correlate basic oral biology and histology with clinical practice.

**20. Topic Outline and Schedule:**

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
<b>Introduction to Oral Histology</b> Oral tissues Histological sections used to study Oral Histology	1	Dr Heba	1, 2	22 (1, 2)	25 (A, B)
<b>Enamel.</b> Chemical and physical properties Histology	2	Dr Heba	1, 2	22 (1, 2)	25 (A, B)
<b>Dentine</b> Chemical and physical properties Histology	3	Dr Heba	1, 2	22 (1, 2)	25 (A, B)
<b>Dental Pulp</b> Chemical and physical properties Histology	4	Dr Heba	1, 2	22 (1, 2)	25 (A, B)
<b>Periodontium I</b> Cementum Chemical and physical properties Histology	5	Dr Heba	1, 2	22 (1, 2)	25 (A, B)
<b>Periodontium II</b> Periodontal ligament Alveolar bone	6	Dr Heba	1, 2	22 (1, 2)	25 (A, B)
<b>Oral Mucosa I</b> Epithelium Lamina propria Submucosa	7	Dr Heba	1, 2	22 (1, 2)	25 (A, B)

<b>Oral Mucosa II</b> Lining mucosa Masticatory mucosa Specialized mucosa	<b>8</b>	Dr Firas	1, 2	22 (1, 2)	25 (A, B)
<b>Oral Embryology I.</b> Early tooth development	<b>9</b>	Dr Firas	1, 2	22 (1, 2)	25 (A, B)
<b>Oral Embryology II</b> Development of the face	<b>10</b>	Dr Firas	1, 2	22 (1, 2)	25 (A, B)
<b>Amelogenesis.</b> Life cycle of the ameloblast Enamel formation	<b>11</b>	Dr Firas	1, 2	22 (1, 2)	25 (A, B)
<b>Dentinogenesis.</b> Life cycle of the odontoblasts Dentin formation	<b>12</b>	Dr Firas	1, 2	22 (1, 2)	25 (A, B)
<b>Salivary Glands.</b> Gland architecture Major salivary glands Minor salivary glands	<b>13</b>	Dr Firas	1, 2	22 (1, 2)	25 (A, B)
<b>The Temporomandibular Joint.</b> Anatomy Histology	<b>14</b>	Dr Firas	1, 2	22 (1, 2)	25 (A, B)

### 21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- 1- **Lectures:** 14 one-hour lectures
- 2- **Moodle:** e-learning through lecture notes and forum discussions
- 3- **Assignments:** consisting of literature search looking for answers for questions raised in lectures and discussing it in Moodle forums and lectures.

### 22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

1. **Midterm exam** (MCQs or essays), **e-learning discussions:** 40 points..
2. **Final Exam:** 60 points. MCQs or essays

### 23. Course Policies:

#### A- Attendance policies:

Lecture attendance is obligatory. The hand-out and recommended textbook are not comprehensive and additional material will be covered in lectures. You are responsible for all material covered in lectures and material covered in e-learning discussions. Students are not allowed to enter lecture room after 5 minutes of its start. Marks are not awarded for attendance. Students are not allowed to attend final exam if they exceed the permitted percentage set in the UJ's regulations.

#### B- Absences from exams and handing in assignments on time:

The student will be allowed to set for a make-up exam (usually essay) if he/she did not attend the exam due to an acceptable excuse and the excuse was presented in due time as set in the UJ's

regulations. If he/she did not attend an exam without an acceptable excuse the student's mark for that exam will be zero. Contributions in e-learning forums are accepted if submitted 24 hours before time of final exam.

**C- Health and safety procedures:**

No special recommendations.

**D- Honesty policy regarding cheating, plagiarism, misbehavior:**

Cheating is considered an unacceptable behavior in exams and a reason for unsuccessful course result. Please refer for your **Student Guide** book for detailed regulations.

**E- Grading policy:**

Percentage marks are converted to letters. (A)/(A-) are usually given for top 10-15% of students. Percentage mark < 50 does not mean a mark of (D-) or (F).

**F- Available university services that support achievement in the course:**

Students can utilize UJ's medical or main library facilities. In addition, they can access e-journals and e-books within campus. They can access the Moodle e-learning through the UJ's wireless internet facilities for free or through the computer lab in the Faculty of Dentistry. A lot of other facilities and support can be provided through the Deanship of Student Affairs.

**24. Required equipment:**

None special

**25. References:**

**A- Required book (s), assigned reading and audio-visuals:**

Oral Anatomy, Histology & Embryology: by Berkovitz B, Holland G & Moxham B, 4rd edition, Edinburgh, 2009, Mosby.

**B- Recommended books, materials, and media:**

1. Bhaskar S.: Orban's Oral Histology and Embryology, 11<sup>th</sup> edition, 1991, Mosby.
2. Essentials of Oral Histology and Embryology: A Clinical Approach (Avery, Essentials of Oral Histology and Embryology) by James K. Avery and Daniel J chiego Mosby; 3rd edition 2005.

**26. Additional information:**

**Expected workload:**

On average you should expect to spend between 3 and 5 hours per week on this course.

**Name of Course Coordinator:** Dr. Firas Alsoleihat **Signature:** -----**Date:** 12/9/2019

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department  
Assistant Dean for Quality Assurance  
Course File