The University of Jordan
Faculty of Dentistry
Department of Oral Surgery, Oral Medicine and Periodontology

Course Title: Oral Histology Theory
Course Code: **1301203**
Prerequisite: None
Course Coordinator: Dr Firas Alsoleihat
Year: 2nd year
Credit: 1 credit hour
Prerequisite for: considered essential for all other dental courses.
Course Instructors: Dr Firas Alsoleihat
Dr Ahmad Hamdan

Course Objectives:

- Understand the normal histology of oral tissues
- Recognize different oral tissues at the microscopic level
- Understand the development of oral tissues
- Understand the biology and physiology of oral tissues
- Correlate basic Oral Histology and Pathology with clinical practice.

Learning Outcomes:

Successful completion of this module should lead to the following learning outcomes:

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

Teaching methods:

- Duration: 16 weeks, 16 hours in total
- Lectures: 14 hours, 1 per week + two exams (2 hours).

Modes of assessment:

- Midterm exam: a computer aided exam involving single best answer questions and accounting to 40 points of the total
- Final Exam: a computer aided exam involving single best answer questions and accounting to 60 points of the total.

Course Content:

No.	Lecture Topic	Subtitles	Lecturer
1.	**Introduction to Oral Histology**	▪ Oral tissues ▪ Hitsological sections used to study Oral Histology	**Dr Firas**
2.	**Enamel.**	▪ Chemical and physical properties ▪ Histology	**Dr Firas**
3.	**Dentine**	▪ Chemical and physical properties ▪ Histology	**Dr Firas**
4.	**Dental Pulp**	▪ Chemical and physical properties ▪ Histology	**Dr Firas**
5.	**Periodontium I** Cementum	▪ Chemical and physical properties ▪ Histology	**Dr Ahmad**
6.	**Periodontium II**	▪ Periodontal ligament ▪ Alveolar bone	**Dr Ahmad**
7.	**Oral Mucosa I**	▪ Epithelium ▪ Lamina propria ▪ Submucosa	**Dr Firas**
8.	**Oral Mucosa II**	▪ Lining mucosa ▪ Masticatory mucosa ▪ Specialized mucosa	**Dr Firas**
9.	**Oral Embryology I.**	▪ Early tooth development	**Dr. Firas**
10.	**Oral Embryology II**	▪ Development of the face	**Dr. Firas**
11.	**Amelogenesis.**	▪ Life cycle of the ameloblasts ▪ Enamel formation	**Dr. Firas**
12.	**Dentinogenesis.**	▪ Differentiation of odontoblasts ▪ Dentine formation	**Dr. Firas**
13.	**Salivary Glands.**	▪ Gland architecture ▪ Major salivary glands ▪ Minor salivary glands	**Dr. Firas**
14.	**The Tempromandibular Joint.**	▪ Anatomy ▪ Histology	**Dr. Firas**

Recommended Textbooks:

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

2) Bhaskar S.: Orban's Oral Histology and Embryology, 11th edition, 1991, Mosby.

3) 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.