

The University of Jordan
Faculty of Dentistry
Department of Oral Surgery, Oral Medicine and Periodontology
Year 2014/2015

Course Title: Oral Histology -Theory

Course Code: 1301203

Semester: 1st

Prerequisite: None

Course Coordinator: Dr Omar Al-Karadsheh

Instructors:

Name	e-mail	Office Hours
Dr Ashraf Shaweesh	ashrafis@just.edu.jo	<u>P.T.</u>

Course Objectives:

Course objectives are:

- 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.

Intended Learning Outcomes:

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

A. Knowledge and Understanding:

A1) Be able to identify different oral tissues both at the macroscopic and microscopic levels.

A2) Be able to correlate basic oral biology and histology with clinical practice.

B. Intellectual Skills:

Employ the knowledge of macroscopic and microscopic features of normal oral structures and tissues to diagnose oral and dental abnormalities or diseases.

C. Subject-Specific Skills:

C1) Recognise the macroscopic and microscopic features of normal oral structures and tissues that help in the diagnosis of abnormalities or diseases.

C2) Recognise normal anatomical and histological variations in oral structures and tissues, and distinguish those from disease states.

D. Transferrable Skills:

D1) Strike the balance between self-reliance and seeking help when necessary.

D2) Display an integrated approach to the deployment of communication skills.

Teaching methods

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

Methods of Evaluation

- 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 Contents & Weight

Lecture	Lecture Topic	Lecturer
1.	Introduction to Oral Histology Oral tissues Histological sections used to study Oral Histology	Dr Ashraf Shaweesh
2.	Enamel. Chemical and physical properties Histology	Dr Ashraf Shaweesh

3.	Dentine Chemical and physical properties Histology	Dr Ashraf Shaweesh
4.	Dental Pulp Chemical and physical properties Histology	Dr Ashraf Shaweesh
5.	Periodontium I Cementum Chemical and physical properties Histology	Dr Ashraf Shaweesh
6.	Periodontium II Periodontal ligament Alveolar bone	Dr Ashraf Shaweesh
7.	Oral Mucosa I Epithelium Lamina propria Submucosa	Dr Ashraf Shaweesh
8.	Oral Mucosa II Lining mucosa Masticatory mucosa Specialized mucosa	Dr Ashraf Shaweesh
9.	Oral Embryology I. Early tooth development	Dr Ashraf Shaweesh

10.	Oral Embryology II Development of the face	Dr Ashraf Shaweesh
11.	Amelogenesis. Life cycle of the ameloblast Enamel formation	Dr Ashraf Shaweesh
12.	Dentinogenesis. Differentiation of odontoblasts Dentine formation	Dr Ashraf Shaweesh
13.	Salivary Glands. Gland architecture Major salivary glands Minor salivary glands	Dr Ashraf Shaweesh
14.	The Temporomandibular Joint. Anatomy Histology	Dr Ashraf Shaweesh
Final Exam		

Recommended

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

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

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.

Attendance

85% mandatory attendance

References & Reading Materials

- 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 200

Feedback

Concerns or complaints should be expressed in the first instance to the course instructor. If no resolution is forthcoming then the issue should be brought to the attention of the Department Chair and if still unresolved to the Dean. Questions about the material covered in the lectures, notes on the content of the course, its teaching and assessment methods can be also sent by e-mail.