

## Faculty of Oral & Dental Medicine

### Oral Histology

#### Information :

**Course Code :** HPT 221

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Oral & Dental Medicine

#### Area Of Study :

- To keep pace with recent advances in oral biology.
- To provide an expanded knowledge about histology, embryology and physiology of oral and dental tissues.
- To serve as a basis for understanding the clinical courses such as oral pathology, oral surgery and oral medicine etc....
- To enable the development and application of appropriate professional attitude as well as communication and practical skills of the students.

#### Description :

tooth development ( bud stage, cap stage, bell stage, appositional stage. )  
Enamel, dentin, cementum and pulp  
longitudinal and transverse section of enamel, dentin, cementum. )  
decalcified section of the pulp

#### Course outcomes :

##### a.Knowledge and Understanding: :

1 -	Define the different oral and para oral structures..
2 -	Describe embryology of oral and para oral tissues.
3 -	Identify and draw both hard and soft oral tissues..
4 -	Describe the structure and the function of different oral and para oral tissues.
5 -	Differentiate between different hard dental and soft oral tissues
6 -	Explain the clinical significance associated with certain oral and para oral structures.
7 -	Describe the histological age changes of oral and para oral tissues..

##### b.Intellectual Skills: :

1 -	Differentiate between the different oral and para oral tissues..
2 -	Distinguish any abnormalities that might affect the normal oral and para oral tissues.

##### c.Professional and Practical Skills: :

1 -	Use the light microscope properly.
2 -	Identify the different oral tissues using the light microscope.
3 -	Draw the histological structure of oral and para oral tissues.

4 -	Understand the technical steps for preparation of tooth ground and as well as the main histological and histochemical stains..	decalcified microscopic sections
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**d.General and Transferable Skills: :**

1 -	Communicate effectively with colleagues , staff members and helping personnel.
2 -	Demonstrate appropriate professional attitude
3 -	Behavior in different situations

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Tooth development	15		
Enamel	12		
Dentin	11		
Cementum	8		
Pulp	8		
Shedding	4		
Eruption	6		

**Teaching And Learning Methodologies :**

Lectures.
Practical
Small group sessions
Student draw in their practical books under supervision of the responsible staff members and helping personnel in small subgroups

**Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
1st Mid-term Examination	15.00		assess knowledge and understanding
2nd Mid-term Examination	15.00		assess knowledge and understanding
Final written Examination	25.00		
Oral Examination	10.00		knowledge and understanding and attitude
Practical Examination	15.00		assess practical skills & intellectual skills & general skills
Semester Work	20.00		

**Course Notes :**

- All lectures are available for students from the faculty as a soft copy.
- Textbooks : Mary Bath-Balogh, Margaret J. Fehrenbach, Dental Embryology Histology and anatomy 2th Edition ,2006
- Websites related to the studysubject
- Overhead projectors, slides and computer presentations used during teaching

