

## Faculty of Oral & Dental Medicine

### Human Dentition

#### Information :

**Course Code :** HPT 112

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

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

#### Instructor Information :

Title	Name	Office hours
Professor	AMANY AHMED RABEE MOHAMED OSMAN	8
Lecturer	Nehad Mostafa Abd El Monsif Mostafa	3
Assistant Lecturer	Esraa Gamal Hassan Mohamed	
Assistant Lecturer	Aya Mohamed Reyad Ismaeil AbuHussein	1

#### Area Of Study :

"To promote advanced knowledge about dental anatomy and physiology.  
 "To provide expanded knowledge about human dentition.  
 "To serve as a basis for understanding the clinical course such as Pedodontics, Orthodontics, Operative dentistry, Endodontics as well as prothodontics and crown and bridges

#### Description :

Morphology of posterior teeth, occlusion of permanent and deciduous teeth, physiology tooth form protecting the peridontium , general considerations in the physiology of the permanent teeth

#### Course outcomes :

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

1 -	Define the different parts of the oral cavity
2 -	Describe macro and micro anatomy of the teeth
3 -	Select the appropriate tooth identification system needed in any dental
4 -	Define the anatomical landmarks of the crowns of teeth
5 -	Draw and describe the morphological feature of different type of teeth and
6 -	Identify both deciduous and permanent teeth and memorize the chronology
7 -	the chronology
8 -	Describe the anatomical changes induced in the mandible by age.
9 -	State the significance of physiologic tooth form in protecting the
10 -	Describe the different curves to which the arrangement of teeth conform to
11 -	Describe the relation of maxillary and mandibular teeth in normal centric

##### **b.Intellectual Skills: :**

1 -	Differentiate between the deciduous and permanent human teeth.
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2 -	Predict the approximate age of a human being according to the condition of his teeth.
3 -	Distinguish any abnormalities in human teeth as well as in their occluding relations.
<b>c. Professional and Practical Skills: :</b>	
1 -	Draw the morphology of different types of human teeth
2 -	Create the normal shape and size of different permanent human teeth by carving.

<b>Course Topic And Contents :</b>			
<b>Topic</b>	<b>No. of hours</b>	<b>Lecture</b>	<b>Tutorial / Practical</b>
Surface anatomy of upper first molar	5	Surface anatomy of upper first molar	Surface anatomy of lower first molar
Surface anatomy of upper second and third molar	5	Surface anatomy of upper second and third molar	Surface anatomy of lower second and third molar
Surface anatomy of lower first molar	5	Surface anatomy of lower first molar	Surface anatomy of lower first molar
Surface anatomy of lower second and third molar	5	Surface anatomy of lower second and third molar	Surface anatomy of lower second and third molar
Differences between permanent and deciduous dentition and Surface anatomy of deciduous anterior teeth	5	Differences between permanent and deciduous dentition	Differences between permanent and deciduous dentition
Surface anatomy deciduous molars	5	Surface anatomy deciduous molars	Surface anatomy deciduous molars
Effect of physiologic form on periodontium	5	Effect of physiologic form on periodontium	Effect of physiologic form on periodontium
Centric occlusion	5	Centric occlusion	Centric occlusion
Centric occlusion	5	Centric occlusion	Centric occlusion
Teeth at different ages	5	Teeth at different ages	Teeth at different ages

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Mandible at different ages and compensatory curves	5	Mandible at different ages and compensatory curves	Mandible at different ages and compensatory curves
revision	5	revision	Revision

**Teaching And Learning Methodologies :**

Computer projections  
 Videotapes  
 Lecture using power point, slides and overhead.  
 Report back session  
 Lectures with discussions  
 Small group sessions.  
 Small group teaching

**Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
Final Examination	25.00		
Mid-term Examination	30.00		
Oral Examination	10.00		
Practical Examination	15.00		
Semester Work	20.00		

**Course Notes :**

All lectures are available for students as a soft copy from the faculty

**Recommended books :**

New models for different types of teeth , skulls & mandibles ( at different ages )  
 Data show with camera  
 Videotaps & CD-ROM containing topics & presentations in dental anatomy & physiology

**Periodicals :**

Web Sites