

## 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

#### 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.
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.

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

1 -	Draw the morphology of different types of human teeth
2 -	Create the normal shape and size of different permanent human teeth by carving.

**Course Topic And Contents :**

<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 dentit	Differences between permanent and deciduous dentit
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
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 :**

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

**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