

Faculty of Oral & Dental Medicine

Human Dentition

Information :

Course Code : HPT 111

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
Associate Professor	RANEEM FAROUK MOHAMED ADEEB OBEID	11

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 :

Dental nomenclature. Development and chronology of all teeth. Morphology of anterior teeth and premolars.

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 practice.
4 -	Define the anatomical landmarks of the crowns of teeth.
5 -	Draw and describe the morphological feature of different type of teeth and their pulp cavities.
6 -	Identify both deciduous and permanent teeth and memorize the chronology
7 -	Describe the anatomical changes induced in the mandible by age.
8 -	State the significance of physiologic tooth form in protecting the peridontium .
9 -	Describe the different curves to which the arrangement of teeth conform to
10 -	Describe the relation of maxillary and mandibular teeth in normal centric occlusion as well as during different mandibular movements

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.

d. General and Transferable Skills: :

1 -	Introduction about the oral cavity and Teeth
2 -	The dentition of human being
3 -	Tooth anatomy
4 -	Line and point angles
5 -	Tooth identification systems
6 -	Anatomical landmarks of the crowns.
7 -	Life history of human tooth
8 -	Surface anatomy of permanent anterior teeth.
9 -	Surface anatomy of premolar
10 -	Geometric outlines of the crowns and their significance

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction about the oral cavity and	5	Introduction	Introduction
Introduction	5	Introduction	Introduction
Surface anatomy of upper central incisor	5	Surface anatomy of upper central incisor	Surface anatomy of upper central incisor
Surface anatomy of upper lateral incisor	5	Surface anatomy of upper lateral incisor	Surface anatomy of upper lateral incisor
Surface anatomy of lower central and lateral incisors	5	Surface anatomy of lower central and lateral incisor	Surface anatomy of lower central and lateral incisor
Surface anatomy of upper canine	5	Surface anatomy of upper canine	Surface anatomy of upper canine
Surface anatomy of lower canine	5	Surface anatomy of lower canine	Surface anatomy of lower canine

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Surface anatomy of upper first premolar	5	Surface anatomy of upper first premolar	Surface anatomy of upper first premolar
Surface anatomy of upper second premolar	5	Surface anatomy of upper second premolar	Surface anatomy of upper second premolar
Surface anatomy of lower first premolar	5	Surface anatomy of lower first premolar	Surface anatomy of lower first premolar
Surface anatomy of lower second premolar	5	Surface anatomy of lower second premolar	Surface anatomy of lower second premolar

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		
Oral Examination	20.00		
Practical Examination	15.00		

Course Notes :

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

Recommended books :

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