

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 |
|---------------------|--|--------------|
| Associate Professor | Amany Ahmed Rabee Mohamed Osman | 4 |
| Associate Professor | Mona Fathy Abdel Maksoud Eldeeb | 2 |
| Associate Professor | Rehab Ali Abdul Moneim Ahmed Abdelaaty | 2 |
| Lecturer | Radwa Taher Mostafa Mohamed Elsharkawy | 2 |
| Lecturer | Fatma Adel Saad Mohamed Habib | 3 |
| Lecturer | RANEEM FAROUK MOHAMED ADEEB OBEID | 5 |
| Assistant Lecturer | Nehad Mostafa Abd El Monsif Mostafa | |
| Teaching Assistant | Ahmed said Abdel Moneem Mahmoud | |
| Teaching Assistant | Loaa Diao Eldin Abd Elsameea Mahmoud | |
| Teaching Assistant | Asmaa Khairy Hamza Mohamed Taha | |
| Teaching Assistant | Ahmed Mahmoud Mohamed Mabrok Ali Bondonq | |
| Teaching Assistant | Adham Mahmoud Hassan Esmael | |
| Teaching Assistant | Esraa Gamal Hassan Mohamed | |
| Teaching Assistant | Aya Mohamed Reyad Ismaeil AbuHussein | 1 |
| Teaching Assistant | Dina Maged Said Eldahrawy | |
| Teaching Assistant | Yasmine Mohamed Hasan Elghazawy | 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 :

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

Course outcomes :

a. Knowledge and Understanding: :

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|------|--|
| 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: :

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|-----|---|
| 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 |

Course Topic And Contents :

| Topic | No. of hours | Lecture | Tutorial / Practical |
|---|--------------|---|---|
| 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 incisors | Surface anatomy of lower central and lateral incisors |
| 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 |
| 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 | | |

Books :

| Book | Author | Publisher |
|---|-----------------|-----------|
| Illustrated Dental Embryology, Histology, and Anatomy | MaryBath-Balogh | Elsevier |

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