

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: :

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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 |
| 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. |
| 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 : | | | |
|---|---------------------|---|---|
| Topic | No. of hours | Lecture | Tutorial / Practical |
| 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 :

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