

## Faculty of Oral & Dental Medicine

### Human Dentition

#### Information :

**Course Code :** DHST 111

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

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

#### Instructor Information :

| Title               | Name                                     | Office hours |
|---------------------|--|--------------|
| Professor           | Mona Fathy Abdel Maksoud Eldeeb          |              |
| Professor           | AMANY AHMED RABEE MOHAMED OSMAN          |              |
| Associate Professor | RANEEM FAROUK MOHAMED ADEEB OBEID        | 2            |
| Lecturer            | Nehad Mostafa Abd El Monsif Mostafa      |              |
| Assistant Lecturer  | Asmaa Khairy Hamza Mohamed Taha          |              |
| Assistant Lecturer  | Yasmine Mohamed Hasan Elghazawy          |              |
| Assistant Lecturer  | Ethar Sayed Mohamed Saeed                |              |
| Teaching Assistant  | Mai Amer Abdeallah Attia Elsayed Elhanfi |              |
| Teaching Assistant  | Mayar Medhat Mahmoud Shawkat Abdelrazek  |              |
| Teaching Assistant  | Amira Ahmed Elsayy Elgendy               |              |
| Teaching Assistant  | Esraa El Sayed Abdelaziz Abdelrahman     |              |
| Teaching Assistant  | Mary Ayman Anwar Danial                  |              |

#### Area Of Study :

- To promote advanced knowledge about dental anatomy.
- To provide expanded knowledge about human dentition (permanent anterior teeth and premolars).

#### Description :

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. Surface anatomy of permanent anterior teeth.
8. Surface anatomy of premolars
9. Geometric outlines of the crowns and their significance

#### Course outcomes :

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

|     |  |
|-----|--|
| 1 - | Describe macro and micro anatomy of the teeth. |
| 2 - | Define the different parts of the oral cavity. |

|   |   |
|---|---|
| 3 -   | Memorize the chronology   |
| 4 -   | Define the morphological features of different type of teeth and their pulp cavities. |
| 5 -   | Identify the anatomical landmarks of the crowns of teeth.                             |
| 6 -   | Name the appropriate tooth identification system needed in any dental practice.       |
| <b>b.Intellectual Skills: :</b>               |   |
| 1 -   | Differentiate between the different anatomical landmarks of the teeth.                |
| 2 -   | Identify permanent human teeth.   |
| <b>c.Professional and Practical Skills: :</b> |   |
| 1 -   | Create the normal shape and size of different permanent human teeth by carving.       |
| 2 -   | Design the morphology of different types of human teeth                               |
| <b>d.General and Transferable Skills: :</b>   |   |
| 1 -   | Learn the basis of scientific research  |

| <b>Course Topic And Contents :</b>   |                     |                |                             |
|--|---------------------|----------------|-----------------------------|
| <b>Topic</b>   | <b>No. of hours</b> | <b>Lecture</b> | <b>Tutorial / Practical</b> |
| Introduction<br>Tooth anatomy & identification systems                             | 5                   | 1              | 4                           |
| Line & Point angles<br>Elevations + models   | 5                   | 1              | 4                           |
| Depressions<br>Carving Trapezoid & Triangle + models                               | 5                   | 1              | 4                           |
| Upper central incisor<br>Carving 1   | 5                   | 1              | 4                           |
| Upper lateral incisor<br>Carving 1   | 5                   | 1              | 4                           |
| Lower incisors<br>Carving Lower 2  | 5                   | 1              | 4                           |
| Lower canine<br>Carving 3  | 5                   | 1              | 4                           |
| Carving Lower 2<br>Upper canine  |                     |                |                             |
| Upper 1st premolar<br>Carving 3  | 5                   | 1              | 4                           |
| Upper 2nd premolar<br>Carving 4  | 5                   | 1              | 4                           |
| Lower 1st premolar<br>Carving 4  | 5                   | 1              | 4                           |
| Lower 2nd premolar<br>Identification of natural teeth (anterior teeth & premolars) | 5                   | 1              | 4                           |

| <b>Teaching And Learning Methodologies :</b> |
|--|
| 01. Lectures using power point.              |
| Lectures using videos                        |
| Lectures with discussions                    |

Practical and small group sessa. Each practical session's preceded by slide tutorial demonstration, carving videos, drawing of different teeth and class discussions. b. Demonstration of tooth carving in small groups. ions:

Small discussion teaching

**Course Assessment :**

| Methods of assessment        | Relative weight % | Week No | Assess What |
|------------------------------|-------------------|---------|-------------|
| Final practical Examination  | 15.00             |         |             |
| Final term Examination       | 25.00             |         |             |
| Oral Examination             | 10.00             |         |             |
| Semester practical work      | 25.00             |         |             |
| Semester written Examination | 25.00             |         |             |

**Course Notes :**

- ~ All lectures are available for students as presentations on the moodle.
- ~ Handouts for certain topics uploaded on moodle.

**Recommended books :**

Textbooks: Mary Bath-Balogh, Margaret J. Fehrenbach, Dental Embryology  
Histology and anatomy 4th Edition, 2015

**Web Sites :**

Science Direct  
PubMed