

Faculty of Oral & Dental Medicine

Orthodontics

Information :

Course Code : ORTH 411

Level : Undergraduate

Course Hours : 2.00- Hours

Department : Faculty of Oral & Dental Medicine

Instructor Information :

| Title | Name | Office hours |
|--------------------|---|--------------|
| Professor | Hala Munir Abdelmajeed El Sayed | 2 |
| Assistant Lecturer | Hosam Abdullah Mohammed Zaazaa | |
| Assistant Lecturer | Reem Mohamed Hazem Hassan Hassan Aly El Shazly | |
| Teaching Assistant | Shahd Osama Hegazy Mohamed Nouraldein Elmesaddi | |
| Teaching Assistant | Abdelrahman Mostafa Mahmoud Eldesouky Elbosaily | |
| Teaching Assistant | Mariam Ayman Ibrahim Ahmed Tagen | |

Area Of Study :

- 1)-To educate the students about the basic features of facial growth and development
- 2)- To familiarize the student with principles of occlusion.
- 3)- to familiarize the students with malocclusion and etiological factors associated with it.
To enable the students to diagnose orthodontic problems.
- 4)- To enable development and application of appropriate professional attitudes and communication.

Description :

Craniofacial Growth and development, Development of normal occlusion, Description of normal occlusion, Classification of malocclusion, Terminology of malocclusion, Etiology of malocclusion

Course outcomes :

a.Knowledge and Understanding: :

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| 1 - | Recognize the basis of normal human facial growth and development from birth until completion of growth |
| 2 - | Describe the stages of normal development of occlusion during infancy , primary dentition , mixed dentition , and permanent dentition |
| 3 - | Recognize the phases of eruption and their effect on development of malocclusion |
| 4 - | Define the terminology of mal-posed teeth and different types of classification of malocclusion |
| 5 - | Identify the etiological factors of malocclusion and its impact on the developing occlusion |
| 6 - | Describe extra-oral and intra-oral examination from an orthodontic perspective |

b.Intellectual Skills: :

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| 1 - | distinguish between normal occlusion and abnormal deviations that necessitates treatment |
| 2 - | differentiate between different causes of malocclusion and prophylactic measures against it. |

c. Professional and Practical Skills: :

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| 1 - | Record accurately patient's chief complaint |
| 2 - | Document a complete focused medical and dental history for patients |
| 3 - | Assess extra-oral and intraoral findings of the patient including head and neck , oral hard and soft tissues |
| 4 - | Appraise Orofacial findings of the orthodontic patient |
| 5 - | Prescribe diagnostic aids appropriate for every individual case |
| 6 - | Interpret acquired data in term of their diagnostic significances |
| 7 - | Diagnose underlying dento-skeletal abnormalities |

d. General and Transferable Skills: :

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| 1 - | Communicate with other healthcare professionals both verbally and in globally accepted written formats |
| 2 - | Recognize moral and ethical responsibilities involved in the provision of care to individual patients and to community |

Course Topic And Contents :

| Topic | No. of hours | Lecture | Tutorial / Practical |
|-------------------------------------|--------------|---------|----------------------|
| Craniofacial Growth and development | 3 | 3 | |
| Development of normal occlusion | 3 | 1 | 2 |
| Description of normal occlusion | 3 | 1 | 2 |
| Classification of malocclusion | 5 | 1 | 4 |
| Terminology of malocclusion | 3 | 1 | 2 |
| Etiology of malocclusion | 4 | 2 | 2 |
| Revision | 3 | 1 | 2 |

Teaching And Learning Methodologies :

Lectures

small group sessions

Practical demonstrations

Course Assessment :

| Methods of assessment | Relative weight % | Week No | Assess What |
|---|-------------------|---------|---|
| Class work (Attendance, Requirement, Practical Quiz) | 20.00 | 7 | Practical Skills & overall participation |
| Final Written Examination | 25.00 | 14 | knowledge and understanding |
| Mid Term Examination formulation of a treatment plan | 20.00 | 9 | knowledge and understanding |
| Oral Examination | 10.00 | 14 | knowledge and understanding (and assessment general and professional skills) |
| Practical Examination | 15.00 | 12 | ability of data collection , analysis and formulation of a treatment plan |
| Theoretical Quiz Examination | 10.00 | 5 | knowledge and understanding |

Course Notes :

- "Recorded lectures : available for students on moodle
- "Presentations used during teaching on the moodle

Recommended books :

- "Contemporary orthodontics" by William R. Proffit, Henry W. Fields Jr., 5th edition; April (2012).