

Faculty of Oral & Dental Medicine

Orthodontics

Information :

Course Code : ORTH 411

Level : Undergraduate

Course Hours : 2.00- Hours

Department : Faculty of Oral & Dental Medicine

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.

Course outcomes :

a.Knowledge and Understanding: :

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: :

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: :

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: :

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).