

## 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	ESSAM MOHAMED NASSEF SELIM	
Professor	Hala Munir Abdelmajeed El Sayed	0
Associate Professor	Mostafa Mohamed Ahmed El Dawlatly	
Lecturer	Mohamed Essam Salah Eldin Mohamed Hassan Amer	
Lecturer	SAMEH MOHAMED TALAAT TAHA MOHAMED	
Lecturer	SAMEH MOHAMED TALAAT TAHA MOHAMED	
Assistant Lecturer	Reem Mohamed Hazem Hassan Hassan Aly El Shazly	
Teaching Assistant	Abdelrahman Mostafa Mahmoud Eldesouky Elbosaily	
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**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: :**

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).