

**Course Description Form**  
**((Orthodontics))**

1. Course Name:
<b>Orthodontics</b>
2. Course Code:
<b>5260D</b>
3. Semester / Year:
<b>Two Semester</b>
4. Description Preparation Date:
4/15/2024
5. Available Attendance Forms:
<b>Practical &amp; Theoretical</b>
6. Number of Credit Hours (Total) / Number of Units (Total)
<b>Theory 30 Hours/Practical 90 Hours Total 120 Hours</b>
7. Course administrator's name (mention all, if more than one name)
Name: Dr. Husam Majid Hameed    Email: <a href="mailto:husam.majid1985@gmail.com">husam.majid1985@gmail.com</a>
<b>1. Course Objectives</b>
<ul style="list-style-type: none"> <li>• Scientific preparation of the student with primary knowledge of orthodontic diagnosis and treatment</li> </ul>
<b>2. Human Anatomy Teaching and Learning Strategies</b>
<ul style="list-style-type: none"> <li>• Power point data show a program using lectures -</li> <li>• Educational films.</li> <li>• Guiding students to some websites to benefit from them.</li> <li>• Practical laboratory on anatomical models</li> </ul>
<b>3. Assessment methods</b>
<ul style="list-style-type: none"> <li>• Conducting daily quick exams Quizzes</li> <li>• Conducting semester exams</li> <li>• Conducting quarterly and final exams</li> </ul>

#### 4. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1	Diagnosis	<b>Orthodontic diagnosis and treatment planning:</b> <b>A. personal data</b> <b>B. consent form</b> <b>C- Clinical examination</b> <b>D. General body stature</b>	Theoretical lectures using PDF and PowerPoint	Daily exams Quarterly Exam semester Final Exams
2	1	Diagnosis	<b>ii. Face examination in 3 dimensions</b> <b>iii. skeletal examination</b> <b>iv. Soft tissue examination</b>		
3	1	Diagnosis	<b>v. Occlusion</b>		
4	1	Diagnosis	<b>vi. Dentition</b> <b>vii. Temporomandibular joint</b>		
5	1	Diagnosis	<b>d- Diagnostic aids</b> <b>i. Cephalometrics, computerized cephalometrics</b>		
6	1	Diagnosis	<b>ii. Orthopantomography</b> <b>iii. Other views</b>		
7	1	Diagnosis	<b>iv. Study models</b>		
8	1	Diagnosis	<b>v. Photography</b> <b>vi. D imaging</b>		
9	1	Treatment planning	<b>e- Treatment planning</b>		
10	1	Treatment planning	<b>f- Treatment of Medically compromised patients</b>		
11	1	Treatment planning	<b>g- Orthodontic indices</b>		
12	1	Treatment planning	<b>Space analysis, Bolton's ratio</b>		
13	1	Treatment planning	<b>Teeth extraction in orthodontics</b>		
14	1	Treatment planning	<b>Serial extraction</b>		
15	1	Treatment planning	<b>Vertical and transverse problems:</b> <b>a. Deep bite</b>		
16	1	Treatment planning	<b>b. Open bite</b>		
17	1	Treatment planning			

			<b>c. Cross bite and scissors bite</b>		
18	1	Treatment planning	<b>Treatment of common local factors:</b> <b>a. supernumerary and hypodontia</b> <b>b. Early loss of deciduous teeth</b> <b>c. Retained teeth, delayed eruption, impaction, ankylosis</b> <b>d. Abnormal eruptive behavior</b> <b>e. Large frenum</b>		
19	1	Treatment planning	<b>f. Bad oral habits</b>		
20	1	Treatment planning	<b>Treatment of aberrant position of canines</b>		
21	1	Treatment planning	<b>Treatment of general factors:</b> <b>a. Class I treatment (crowding, spacing, biprotrusion, biretrusion)</b>		
22	1	Treatment planning	<b>Continue class I treatment (method of space creation)</b>		
23	1	Treatment planning	<b>b. Class II div. 1 treatment</b>		
24	1	Treatment planning	<b>c. Class II div. 2 treatment</b>		
25	1	Treatment planning	<b>d. Class III treatment</b>		
26	1	Treatment planning	<b>Treatment of adults:</b> <b>a- Periodontal problems</b>		
27	1	Treatment planning	<b>b- Orthognathic surgery</b>		
28	1	Treatment planning	<b>Cleft lip and palate</b>		
29	1	Treatment planning	<b>Continue cleft lip and palate</b>		
30	1	Treatment planning	<b>Digital orthodontics (digital work flow, digital smile design, Customized appliances)</b>		

## 1. Course Evaluation

- 1) Distribution of the score of 100 according to the tasks assigned to the student such as daily preparation and daily, oral and monthly examinations
- 2) Editorial and Reports .... etc.

12. Learning and Teaching Resources	<b>Medical anatomy</b>
Required textbooks (curricular books, if any)	<b>1. Contemporary Orthodontics 6<sup>th</sup> edition William R. Proffit, Henry Fields, Brent Larson, David M. Sarver</b> <b>2. Introduction to orthodontics 4th Edition, Main Author: Laura Mitchell,</b> <b>3. <u>Orthodontics Principles And Practice Includes Over 2300 Mcqs</u> Basavaraj Subhashchandra Phulari</b>
Main references (sources)	<b>Scientific journals and websites for orthodontics</b>
Recommended books and references (scientific journals, reports...)	<b>Websites on orthodontics topics</b>
Electronic References, Websites	<b>Research in orthodontics topics</b>