

Course Description Form

1. Course Name:	
Orthodontic	
2. Course Code: ZUDE0503	
3. Semester / Year: 2025-2026	
Annual	
4. Description Preparation Date:	
11/8/2025	
5. Available Attendance Forms:	
Weekly	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 hours (Theoretical) + 60 hours (Practical). (One theoretical hours and two practical hours week)	
7. Course administrator's name (mention all, if more than one name)	
Name: karar Hamid Ali Email: karar.hameed@alzahu.edu.iq Name: Tiba Sajad Mohsen teeba.sajad@alzahu.edu.iq	
8. Course Objectives	
Course Objectives	Theoretical and practical education for dental, facial and jaws examinations for patients suffering from malocclusion as well as cosmetic problems. In addition, teach them how to design a treatment plan and definition of types of orthodontic appliances. As well as treating the patients seeking orthodontic treatment by the students under our supervision.
9. Teaching and Learning Strategies	
Strategy	The definition of different types of orthodontic appliances and the theoretical and practical explanation of the steps to treat patients suffering from malocclusion. In addition to the definition of the problems that can be encountered during the work of orthodontic appliances and how to avoid them and ways to correct them if they occur and the identification of materials and tools that can be used and help to do a perfect work.

10. Course structure					
Week	H o u r s	Subject name	Required learning outputs	Learning method	Assessment method

1	1	Diagnosis and Clinical examination	Learn how to diagnose examine malocclusion	Power point and direct clinical work	Quiz
2	1	Face examination in 3 dimensions	Learn how to examine the face in all dimensions	Power point and direct clinical work	Clinical work and quiz
3	1	Diagnostic records	Learn the benefits of diagnostic records	Power point and direct clinical work	Quiz
4	1	Cephalometric Orthopantomography	Learn the general guidelines of using x-ray in orthodontic diagnosis	Power point and direct clinical work	Direct work on cephalogram
5	1	Study models	Learn the benefits using study models in orthodontic diagnosis	Power point and direct clinical wo.	Lap work and quiz
6	1	Photography 3D imaging	Learn how to do photography and 3D imaging in scientific ways	Power point and direct clinical work	Direct work in clinic
7	1	Treatment planning	Learn how to get a definite treatment plan from data collected	Power point	Quiz
8	1	Space analysis, Bolton's ratio	Learn how to Analysis the space available and space required	Power point and direct clinical work	Direct work in lap
9	1	Teeth extraction in orthodontics	Learn when and where we can do tooth extraction and why	Power point	Quiz
10	1	Treatment of Medically compromised patients	Learn how to treat medically compromised patients	Power point	Quiz
11	1	Oral habits and their management	Learn how to treat patient with bad oral habit, its etiology and their effects	Power point	Quiz
12	1	Treatment of Class I malocclusion	Learn how to diagnose and management cl I malocclusion	Power point	Quiz
13	1	Treatment of Class II div 1 malocclusion	Learn how to diagnose and management cl II div 1 malocclusion	Power point	Quiz
14	1	Treatment of Class II div 2 malocclusion	Learn how to diagnose and management cl II div 2 malocclusion	Power point	Quiz
15	1	Treatment of Class III malocclusion	Learn how to diagnose and management cl III malocclusion	Power point	Quiz
16	1	Microimplant Anchorage in Orthodontics	Learn the types and uses of microimplant anchorage	Power point	Quiz

17	1	Crossbite	Learn how to diagnose and management crossbite	Power point	Quiz
18	1	Open bite	Learn how to diagnose and management open bite	Power point	Quiz
19	1	Treatment of common local factors:	Learn how to diagnose common local factors of malocclusion and the management of each of them	Power point	Quiz
20	1	Treatment of adults-Periodontal problems	Learn how to treat malocclusion in adult patient and the associated problems	Power point	Quiz
21	1	Orthognathic surgery	Learn how to diagnose and treat patient severe skeletal malocclusion	Power point	Quiz
22	1	Retention	Learn how to retain the final results of treatment, types of retainer and their uses	Power point	Quiz
23	1	Anchorage	Learn the types of anchorage and when we must used	Power point and direct work on typo dent	Quiz
24	1	Mixed dentition problems	Learn how to deal with mixed dentition problems	Power point	Quiz
25	1	Facial esthetics	Learn how to diagnose and use the deferent methods to get the facial esthetics	Power point	Quiz
26	1	Canines	Learn the guidelines in diagnosis and management impacted canine	Power point	Quiz
27	1	Maxillary expansion	Learn the types of maxillary expansion and when we should use each type	Power point	Quiz
28	1	Cleft lip and palate	Learn how to diagnose and management deferent types of cleft lip and palate	Power point	Quiz
29	1	<i>Continue..</i> cleft lip and palate	Learn how to diagnose and management deferent types of cleft lip and palate	Power point	Quiz
30	1	Digital orthodontics	Learn how to use the digital orthodontics to enhance the outcome of orthodontic treatment	Power point	Quiz

11. Course evaluation			
	Practical	Theory	Total
First	7.5	12.5	20
Second	7.5	12.5	20

Final exam	20	40	60
Total	35	65	100
12- Learning and Teaching Resources			
Required textbooks (curricular books, if any)	An Introduction to Orthodontics 2023		
Main references (sources)	T D foster Text book of orthodontist 1985, 2nd ed.		
Recommended books and references (scientific journals, reports...)	American journal of orthodontics and dentofa orthopedics.		
Electronic references	Textbook of Orthodontics (Singh, 2019) Contemporary Orthodontics, 6th Edition Recent researches from the Scopus and Clarivate data base		