



**Jordan University of Science and Technology**  
**Faculty of Dentistry**  
**Dental Surgery Department**

DENT796 Advanced Orthodontics 1
First Semester 2024-2025

Course Catalog
2 Credit Hours. This is the first theoretical course to the orthodontic master student aimed at explaining Development of face and dentition and interception of developmental problems, construction, fabrication and use of removable and functional appliances and discussion of various aspects and development of the straight wire appliance.
<b>Teaching Method:</b> Blended

Text Book	
<b>Title</b>	Contemporary Orthodontics
<b>Author(s)</b>	William R. Proffit, Henry W. Fields, Brent Larson and David M. Sarver
<b>Edition</b>	6th Edition
<b>Short Name</b>	reference 1
<b>Other Information</b>	

Instructor	
Name	Prof. Kazem Al-Nimri
Office Location	-
Office Hours	
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Class Schedule & Room
Section 1: Lecture Time: Wed : 11:00 - 13:00 Room: U

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction	
Week 2	Rationale of orthodontic treatment	
Week 3	Facial growth	
Week 4	Cephalometric analysis	
Week 5	Development of occlusion	
Week 6	Diagnosis and treatment planning	
Week 7	Principles of removable appliances	
Week 8	Growth modification appliances	
Week 9	Development of straight wire appliances	
Week 10	Background and details of the appliance	
Week 11	Bracket and band placement	

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Construction, fabrication and use of removable and functional appliances	30%	
Discussion of various aspects and development of the straight wire appliance.	50%	
Development of face and dentition and interception of developmental problems	20%	

1.1 Scientific Knowledge and Cognitive Skills	1.2 Scientific Knowledge and Cognitive Skills	1.3 Scientific Knowlege and Cognitive Skills	1.4 Scientific Knowledge and Cognitive Skills	1.5 Scientific Knowledge and Cognitive Skills	1.6 Scientific Knowledge and Cognitive Skills	1.7 Scientific Knowledge and Cognitive Skills	2.1 Person Centered Care	2.2 Person Centered Care	2.3 Person Centered Care	2.4 Person Centered Care	3.1 Responsibility, Communication, Professionalism and Ethics	3.2 Responsibility, Communication, Professionalism and Ethics	3.3 Responsibility, Communicator Professionalism and Ethics

Evaluation	
Assessment Tool	Weight
first exam	25%
second exam	25%
final exam	50%

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