



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

DENT492 Orthodontics (2) - JNQF Level: 7
Second Semester 2022-2023

<b>Course Catalog</b>
2 Credit Hours. Dent 492 is an under graduate 4th year dental students' continuous course, consists of 2 credit hours (one theoretical and one practical), that is designed to provide students with: 1- A solid theoretical background relevant to clinical orthodontics. 2- The basic technical knowledge and skills to fabricate removable orthodontic appliances and to do cephalometric analysis.

<b>Text Book</b>	
<b>Title</b>	Handbook of Orthodontics
<b>Author(s)</b>	Martyn T. Cobourne Andrew T. DiBiase
<b>Edition</b>	2nd Edition
<b>Short Name</b>	Ref # 1
<b>Other Information</b>	Publisher: Mosby/ Elsevier

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Ref # 2	An Introduction to Orthodontics	Laura Mitchell and Simon Littlewood	5th Edition	Oxford Medical Publications 2019
Ref # 3	Handouts given by the lecturer	Information collected from different references	1st Edition	

<b>Instructor</b>	
Name	Prof. Suzan Al-Khateeb
Office Location	293
Office Hours	Thu : 08:00 - 16:00
Email	susank@just.edu.jo

<b>Class Schedule &amp; Room</b>
Section 1: Lecture Time: Thu : 18:00 - 19:00 Room: U

<b>Tentative List of Topics Covered</b>		
Weeks	Topic	References
Week 1	Introduction to clinical orthodontics	
Week 2	Removable appliance: construction and design	
Week 3	Removable appliance: Clinical management	
Week 4	Fixed orthodontic appliances: Components	
Week 5	Fixed orthodontic appliances: Principles	
Week 6	Functional appliances: Principles and design	
Week 7	Fixed orthodontic appliances: Clinical management	
Week 8	Management of class I malocclusion	
Week 9	Management of class II/division 1 malocclusion	
Week 10	Management of class II/division 2 malocclusion	
Week 11	Management of class III malocclusion	
Week 12	Retention and stability	
Week 13	Orthognathic surgery	
Week 14	Cleft lip and palate	

<b>Mapping of Course Outcomes to Program Outcomes and NQF Outcomes</b>	<b>Course Outcome Weight (Out of 100%)</b>	<b>Assessment method</b>
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To learn about removable orthodontic appliances; design and clinical management [11.3 Scientific Knowledge and Cognitive Skills] [1L7K1]	20%	
To learn about functional and growth modification orthodontic appliances; design and clinical management [11.3 Scientific Knowledge and Cognitive Skills] [1L7K1]	20%	
To learn about fixed orthodontic appliances; design and clinical management [11.3 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	
To learn about management of orthognathic patients [11.3 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	
To learn about retention and stability after orthodontic treatment [11.3 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	
To learn about etiology, diagnosis and management of cleft lip and palate [11.3 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	
To perform cephalometric analysis, model analysis, take extra and intra oral photographs as part of the pretreatment records [12.1 Person-Centred Care] [1L7K1, 1L7S3]	20%	

Relationship to Program Student Outcomes (Out of 100%)													
1.1 Scientific Knowledge and Cognitive Skills	1.2 Scientific Knowledge and Cognitive Skills	1.3 Scientific Knowledge 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-Centred Care	2.2 Person-Centred Care	2.3 Person-Centred Care	2.4 Person-Centred Care	3.1 Responsibility, Communication, Professionalism and Ethics	3.2 Responsibility, Communication, Professionalism and Ethics	3.3 Responsibility, Communication, Professionalism and Ethics
		80					20						

Relationship to NQF Outcomes (Out of 100%)	
L7K1	L7S3
90	10

Policy	
University and faculty regulations	1- Students must attend at least 90% of all scheduled clinics. 2- Missed requirements and quizzes will be made up only if the absence was caused by an acceptable excuse. 3- Students are expected to follow the dress code according to the faculty policy 4- Students are expected to follow cross infection control protocols 5- Students are expected to follow ethical conduct in all their actions

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