



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

DENT793A Clinical Training In Orthodontics (7)
First Semester 2021-2022

Course Catalog
3 Credit Hours. The course provides the opportunity to develop skills and acquire knowledge essential for specialization in orthodontics. The content of the course provides all treatment approaches in dento-facial orthopaedics and orthodontics including growth modification / orthopaedic treatment modalities, adult treatment and orthognathic surgery treatment, the use of temporary anchorage devices and the use of different fixed and removable appliance techniques including conventional and self-ligating brackets. All treatment approaches taught are based on refereed scientific literature.

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>	Ref 1
<b>Other Information</b>	

Instructor	
<b>Name</b>	Dr. Samer Alqaqaa
<b>Office Location</b>	-
<b>Office Hours</b>	Tue : 09:00 - 15:00
<b>Email</b>	smalqaqaa@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: U : - Room: HOSPITAL

Tentative List of Topics Covered		
Weeks	Topic	References
	To provide students with the knowledge to perform proper diagnosis, treatment planning and orthodontic mechanics.	
	To provide students with the knowledge to use advanced digital imaging systems in assisting case diagnosis, treatment planning and treatment assessment.	
	To familiarize students with the important orthodontic techniques including the basic straight wire techniques (e.g. Andrews, Roth, MBT) and self-ligating brackets	
	To give the students opportunities to use a variety of bracket types, and practice choosing proper archwires from a wide range of preformed wires.	
	To coordinate and integrate with other dental or surgical specialties for an interdisciplinary approach for the orthodontic patient.	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
a. Assemble diagnostic data to enable determination of the degree to which skeletal and dentoalveolar discrepancies contribute to the morphology of the craniofacial complex in three dimensions [1Taking History and clinical Examination for complete or partial denture patients Primary impressions]	40%	
a. Correctly determine the appropriate use of dentofacial orthopedics and demonstrate clinical skills in management b. Demonstrate an ability to correctly plan and implement mechanotherapies for correction of dentoalveolar malocclusions c. Develop and implement the appropriate plans for 2 phase mechanotherapy d. Successfully promote interdisciplinary treatment plans	30%	
a. Report assessments of skeletal changes related to growth and treatment b. Accurately describe dentoalveolar treatment outcomes c. Demonstrate proficiency in evaluation of soft tissue effects of therapy d. Formulate an assessment of case difficulty and treatment outcomes	30%	

Relationship to Program Student Outcomes (Out of 100%)														
Taking History and clinical Examination for complete or partial denture patients Primary impressions	Border molding using tracing compound and secondary impressions using ZOE impression material	Jaw registration	Wax-try-in	Insertion of finished dentures	Professionalism	Infection control	Comprehensive dental care	Dental Caries	Operative dentistry	Endodontics	Restoration of badly broken teeth	Knowledge-pediatric dentistry	Written assignments	Clinical skills: pediatric dentistry
40														

Evaluation	
Assessment Tool	Weight
Continuous assessment: 50% divided as follows Midterm 40 marks Log book 10 marks	50%
Spot exam or OSCE including one VIVA station (40 marks). Presentation of one treated case (finished or nearly finished) (10 marks)	50%

Date Printed: 2021-11-14