



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

DENT794 Current Topics In Orthodontics
First Semester 2021-2022

Course Catalog
2 Credit Hours. This course has been designed to provide postgraduate students with current information in orthodontics and related disciplines. It includes special emphasis on research methodology and the contribution of current research to advances in orthodontics.

Text Book	
Title	European Journal of Orthodontics
Author(s)	Different authors
Edition	1st Edition
Short Name	Ref # 1
Other Information	Publisher: Oxford

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref # 2	American Journal of Orthodontics and Dentofacial Orthopedics	Different authors	1st Edition	Publisher: Elsevier
Ref # 3	Angle Orthodontist	Different authors	1st Edition	Publisher: The E. H. Angle Education and Research Foundation
Ref # 4	Seminar in Orthodontics	Different authors	1st Edition	Publisher: Elsevier Science
Ref # 5	World Journal of Orthodontics	Different authors	1st Edition	World Federation of Orthodontists
Ref # 6	Journal of Orthodontics	Different authors	1st Edition	Publisher: Maney Publishing
Ref # 7	Australian Journal of Orthodontics	Different authors	1st Edition	Australian Society of Orthodontics
Ref # 8	Cochrane Data base	Different authors	1st Edition	Publisher: Cochrane Group
Ref # 9	Orthodontic update	Different authors	1st Edition	Publisher: George Warman Publications

Instructor	
Name	Prof. Suzan Al-Khateeb
Office Location	293
Office Hours	Wed : 10:30 - 14:30 Thu : 09:00 - 11:00
Email	susank@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Mon : 09:00 - 11:00 Room: LAB

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Anchorage and temporary anchorage devices	
Week 2	Retention and stability	
Week 3	Treatment of crossbite	
Week 4	Management of traumatized teeth	
Week 5	Friction	
Week 6	Pain in orthodontics	
Week 7	Tooth movement and accelerated tooth movement	
Week 8	Low angle cases and deep bite	
Week 9	High angle cases and open bite	
Week 10	Asymmetries	

Week 11	Smile and aesthetics Digital orthodontics	
Week 12	Digital orthodontics	
Week 13	Demineralization after orthodontic treatment	
	Root resorption during orthodontic treatment	
Week 14	Root resorption during orthodontic treatment	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
To gain knowledge about the most recent information regarding methods used to accelerate orthodontic tooth movement	5%	
To gain knowledge about anchorage and temporary anchorage devices used in orthodontics for tooth distalization, intrusion, expansion and other dental and skeletal effects	10%	
To learn more about management of vertical and transverse orthodontic problems	20%	
To know more about retention and stability after orthodontic treatment	5%	
To learn about orthodontic management of traumatized teeth	10%	
To gain knowledge about smile aesthetics and how it can be managed orthodontically	10%	
To know about the sequel of orthodontic treatment such as root resorption and development of white spot lesions and tooth demineralization including prevalence, risk factors and management	20%	
To learn how to evaluate published research and be able to make positive and negative criticism and to learn how to make literature review of any orthodontic subject	20%	

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

Evaluation	
Assessment Tool	Weight
Quizzes	50%
Presentations during the course	20%
Turning in a binder about chosen subjects	30%

Policy	
University and faculty regulations	Students must attend at least 90% of all scheduled clinics. Class participation is required. Missed requirements and quizzes will be made up only if the absence was caused by an acceptable excuse.

Date Printed: 2021-11-17