



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

DENT593 Orthodontics II

First Semester 2021-2022

Course Catalog

1 Credit Hours. This course has only a clinical component. It is offered on the first semester of the fifth year. The students will utilize the theoretical knowledge they gained during the fourth year in this course. The students will learn to do extra- and intra-oral examination from orthodontic point of view, collect and analyse orthodontic records including dental casts, photographs and radiographs (cephalometric tracing), to build a problem list and proper diagnosis for orthodontic patients and finally come up with treatment planning for orthodontic problems. During this course the students will also execute orthodontic treatment for simple problems using removable, growth modification, and partial fixed orthodontic appliances. Students are also expected to collect full orthodontic records (one patient/group; Group: up to 4 students) to be prepared for presentation as a comprehensive case during second semester.

Text Book

Title	Handbook of Orthodontics
Author(s)	Martyn T. Cobourne Andrew T. DiBiase
Edition	1st Edition
Short Name	Handbook of Orthodontics
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
An Introduction to Orthodontics	An Introduction to Orthodontics	Laura Mitchel	2nd Edition	

Instructor

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

Class Schedule & Room

Section 1:
Lecture Time: Sun : 09:00 - 10:30
Room: HOSPITAL

Section 2:
Lecture Time: Sun : 10:30 - 12:00
Room: HOSPITAL

Section 3:
Lecture Time: Mon : 09:00 - 10:30
Room: HOSPITAL

Section 4:
Lecture Time: Mon : 10:30 - 12:00
Room: HOSPITAL

Section 5:
Lecture Time: Tue : 09:00 - 10:30
Room: HOSPITAL

Section 6:
Lecture Time: Tue : 10:30 - 12:00
Room: HOSPITAL

Section 7:
Lecture Time: Wed : 09:00 - 10:30
Room: HOSPITAL

Section 8:
Lecture Time: Wed : 10:30 - 12:00
Room: HOSPITAL

Section 9:
Lecture Time: Thu : 09:00 - 10:30
Room: HOSPITAL

Section 10:
Lecture Time: Thu : 10:30 - 12:00
Room: HOSPITAL

Tentative List of Topics Covered

Weeks	Topic	References
	This course is a clinical one. Discussion seminars will be given to the students at the beginning of each clinic	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Taking history of the chief complaint from orthodontic patients	20%	
Evaluate extra- and intra-oral features including facial symmetry, profile and facial proportions. Perform basic cephalometric analysis Build and orthodontic diagnosis from the gathered records	20%	
To teach students to draw a treatment plan for simple orthodontic problems	30%	
Treat simple orthodontic problem using removable orthodontic appliances.Treat moderate skeletal orthodontic problems in growing patients using functional appliances or growth modification appliances. Give oral hygiene instructions and diet protocol for orthodontic patients. Refer patients requiring specialist attention to orthodontist specialist.	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