



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Allied Dental Sciences Department

ADS331 Peadodontics & Orthodontics - JNQF Level: 6

First Semester 2023-2024

Course Catalog

2 Credit Hours. One clinical session per week lasts 3 hours, students are required to attend all clinic session. Students will be introduced to most dental procedures and be prepared to prevent and manage dental procedures during a clinical setting. Introduce the 3rd-year Allied Dental sciences students to the different programs and procedures offered to the different patients in need.

Text Book

Title	Essentials of Pediatric Dentistry
Author(s)	kanchan harikishan asnani
Edition	1st Edition
Short Name	2010
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
2010	essentials of orthodontics	sridhar premkumar	4th Edition	

Instructor

Name	Mrs. Reem Tubaishat
Office Location	Faculty of Applied Medical Sciences/ Second Floor
Office Hours	Sun : 08:00 - 09:00 Mon : 08:00 - 09:00 Tue : 08:00 - 09:00 Wed : 15:00 - 16:00 Thu : 08:00 - 09:00 Thu : 15:00 - 16:00
Email	reemsafa@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun : 12:30 - 13:30 Room: M1301

Prerequisites		
Line Number	Course Name	Prerequisite Type
522032	ADS203 Dental Morphology & Occlusion Practical	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	- Introduction to the course/ syllabus distribution - Introduction to pedodontics, pedodontic triangle, Health history/ examination, risk assessment, treatment planning. - Oral examination for an infant (Knee-to-knee approach)	
Week 2	- Eruption, eruption pattern, teething management - Numbering of primary teeth, oral habits in children and its clinical features and management.	
Week 3	- Pain and anxiety management/ behavior management - Child psychology and behavior: Erikson?s physiological theories, child?s behavior patterns - Pharmacological/ non-pharmacological approaches of behavioral managements - Communication with the child	
Week 4	-Prevention of dental diseases: oral hygiene teaching for the parents - Preventive pedodontics: sealant, PRR, nutrition, fluoride	
Week 5	- Introduction to dental caries, etiology, classifications, diagnosis - Stainless steel crown	
Week 6	- Pediatric endodontics: clinical tests, pulp therapies; IPC, DPC, pulpotomy, pulpectomy, apexogenesis, apexification - Medicament	
Week 7	- Trauma and its management in children: classification - Avulsion, space maintainer	
Week 8	- General dental management in children: cleft lip and palate, management, heberman feeder, meadjohnson nursers - Role of dental team in children with special needs - Child abuse (identification and prevention)	
Week 9	MIDTERM EXAM	
Week 10	Rationale of orthodontics: treatment needs, masticatory function, speech, and TMJ - Etiology and classification of malocclusion: Angle?s, British standard, summer?s, occlusal index, peer assessment, etc - Median diastema.	
Week 11	- Class I, II, III: etiology, treatment planning, and management. - Incisal relationship, canine relationship, molar relationship, headgear	
Week 12	- Retention: relapse, etiology, removable and fixed retainers, care of retainers - Removable appliance: components, instruments, and fitting, POIs	
	Fixed appliance I, - Lingual orthodontics - Invisalign - Orthognathic surgey	

Week 14	Fixed appliance II	
Week 15	Orthodontic first aid: - Fixed appliance: wire sticking out, detached brackets, band loose, etc - Removable appliance: mouthwatering, speech, appliance loose, redness of the roof of the mouth, etc - The orthodontic assistants responsibilities, POIs, periodic visits, completion appointments	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Introduce students to all most dental procedures done in Orthodontic and pedodontics clinic [10L6K1, 5L6K2, 5L6S1, 5L6S2, 5L6S3]	30%	midterm exam
Learn how to mix all dental materials used in Orthodontic and pedodontics clinic [5L6K1, 5L6K2, 10L6S1, 10L6S2]	30%	midterm exam
Learn how to manage misbehave child in the dental setting [5L6K1, 5L6K2, 10L6S2]	20%	midterm exam
Learn how to prepare instruments and materials before the treatment session [10L6S1]	10%	midterm exam
Learn about the various types of treatments for malocclusion [5L6K1, 5L6K2]	10%	midterm exam

Relationship to NQF Outcomes (Out of 100%)				
L6K1	L6K2	L6S1	L6S2	L6S3
25	20	25	25	5

Evaluation	
Assessment Tool	Weight
midterm exam	50%
Final exam	50%

Date Printed: 2024-02-03