



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

DENT431 Paediatric Dentistry II - JNQF Level: 7
First Semester 2024-2025

Course Catalog
2 Credit Hours. This is an undergraduate continuous course which has a theoretical and clinical component (with an overall four credit hours for both semesters: 2 theory and 2 practical), the theoretical component is in the form of lectures that cover basic topics in pediatric dentistry and are of one hour duration (once weekly). The clinical component is in the form of clinical training (one 3-hour session every fortnight). The course is designed to provide guidance to begin delivery of competent oral health care for healthy children. Students are expected to learn current techniques and principles based on most recent scientific literature. Teaching will be conducted in English.
Teaching Method: On Campus

Text Book	
Title	McDonald and Avery's dentistry for the child and adolescent
Author(s)	David R. Avery, Jeffrey A. Dean, and Ralph E. McDonald
Edition	11th Edition
Short Name	TEXTBOOK
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
TEXTBOOK	Paediatric dentistry	Welbury, R., Duggal, M.S. and Hosey, M.T. eds	5th Edition	
TEXTBOOK	Pediatric Dentistry, Infancy through Adolescence,	Nowak A.J., Christensen J., Mabry T., Townsend J., Wells M.	6th Edition	

Class Schedule & Room
Section 1: Lecture Time: Thu : 19:00 - 20:00 Room: U

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2, 3, 4	PREVENTION	
Weeks 5, 6, 7	BEHAVIOR MANAGEMENT	
Weeks 8, 9, 10, 11	OPERATIVE DENTISTRY AND PULP THERAPY IN CHILDREN	
Weeks 12, 13	LOCAL ANESTHESIA IN CHILDREN	
Week 14	EXTRACTION/ORAL SURGERY	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
To take full history, perform comprehensive extra- and intra-oral examination and dental charting in children. [151.7 Scientific Knowledge and Cognitive Skills] [1L7K1]	15%	
To diagnose dental caries and oral problems in children, determine caries risk, prescribe and interpret radiographs, and create a problem list based on clinical and radiographic findings. [52.1 Person Centered Care] [1L7K1]	5%	
To formulate ideal treatment plans for children and keep an accurate patient record [152.1 Person Centered Care] [1L7S1, 1L7S2, 1L7S3, 2L7C4]	15%	
To demonstrate knowledge of preventive measures in children and apply them for paediatric patients including professional fluoride application, fissure sealants, oral hygiene instructions and advice. [152.2 Person Centered Care] [1L7S2, 1L7S3]	15%	
To recognize and apply basic behavioural management techniques when dealing with paediatric dental patients [53.1 Responsibility, Communication, Professionalism and Ethics] [1L7C2, 1L7C3]	5%	
To recall different local anesthetic agents and techniques, provide local anesthetic injections and perform dental extraction of primary teeth that are judged to be indicated for extraction in children. [102.2 Person Centered Care] [1L7S2, 1L7S3]	10%	
To recognize and explain the indications, materials and specific steps involved in providing extra-coronal and intra-coronal restorations and pulp therapy for primary teeth. [101.7 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	
To recognize and explain the indications, materials and specific steps in providing pulp therapy of young permanent teeth. [51.7 Scientific Knowledge and Cognitive Skills] [1L7K1]	5%	

To demonstrate the capability to diagnose dento-alveolar trauma and describe principles of assessment and management [102.1 Person Centered Care] [1L7S1, 1L7S2, 1L7S3, 1L7C4]	10%	
To recognize the most common developmental anomalies in children, and understand the general diagnosis and management principles. [51.7 Scientific Knowledge and Cognitive Skills] [1L7K1]	5%	
To identify early childhood caries presentation, etiology, and treatment approach. [51.7 Scientific Knowledge and Cognitive Skills] [1L7K1]	5%	

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 Centered Care	2.2 Person Centered Care	2.3 Person Centered Care	2.4 Person Centered Care	3.1 Responsibility, Communication, Professionalism and Ethics	3.2 Responsibility, Communication, Professionalism and Ethics	3.3 Responsibility, Communication, Professionalism and Ethics
						40	30	25			5		

Relationship to NQF Outcomes (Out of 100%)						
L7K1	L7S1	L7S2	L7S3	L7C2	L7C3	L7C4
45	5.5	18	18	2.5	2.5	8.5

Evaluation	
Assessment Tool	Weight
MID EXAM	20%
CLINICAL REQUIREMENTS	20%
FINAL COMPETENCY	15%
FINAL EXAM OSCE	15%
FINAL EXAM THEORY	30%

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