



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

DENT733A Clinical Training in Paediatric Dentistry(1)

First Semester 2021-2022

**Course Catalog**

1 Credit Hours. The first year clinical training in pediatric dentistry is registered as three separate courses for the purpose of registration, marking system and fees calculation, but it is a spectrum of continuous objectives that guide you through the learning curve in Clinical Pediatric Dentistry which should make the student eligible to sit the Jordanian Medical Board examination. It is composed of five clinical training sessions per week for three semesters, each semester is 16 weeks long. Residents spend the first year as follows: ? Eight months in the Pediatric Dentistry Clinics and Pediatric Dental Surgery section in the Hospital. ? Two months in Pediatrics rotation in KAUH. ? One month in the Hospital for anesthetic rotation and Obtaining clinical training and a certificate in Cardiopulmonary Resuscitation (CPR). ? One month in the Emergency Department for management of pediatric emergencies in the hospital. Course Objectives: (weight of 20% each) 1. Students should be able to thoroughly read recent texts pertinent to certain topics in pediatric dentistry. Emphasis should be placed on literature from about the last five years. In addition to that, students should be able to write a review of the literature on a certain topic. The goal of the assignment (literature review) is to develop an up-to-date review of the topic, which is very informative, factual, critical and interpretive of current literature, written in sound English and fully documented with references to peer-reviewed journals. 2. Students should learn basic sciences in relation to pediatric dentistry practice 3. Students should broaden their knowledge in basic pediatric dentistry-related topics 4. Students should enhance their skills in clinical pediatric dentistry, be able to obtain clinical records, and present clinical cases both orally and in hard-copy and back-up their treatment from the literature. 5. Students are expected to participate in teaching undergraduate dental students and training of more junior residents.

**Text Book**

<b>Title</b>	Pediatric Dentistry, Infancy through Adolescence
<b>Author(s)</b>	Pinkham J.R., Casamassimo P.S., Fields H.W., McTigue D.J. and Nowak A.J
<b>Edition</b>	10th Edition
<b>Short Name</b>	Ref #1
<b>Other Information</b>	Philadelphia, WB Saunders Co

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	Dentistry for Children	McDonald R.E. and Avery R.H	7th Edition	Elsevier Science
Ref #3	A Handbook of Pediatric Dentistry	Cameron A.C. & Widmer R.P.	2nd Edition	Edinburgh, NY, Mosby
Ref #4	Related websites: www.aapd.org for AAPD guidelines and policies www.iadt-dentaltrauma.org for IADT trauma guidelines	None	1st Edition	
Ref #5	Articles assembled in the first-year higher specialty reading list portfolio	None	1st Edition	
Ref #6	Any additional handouts given throughout the year	None	1st Edition	

**Instructor**

<b>Name</b>	<b>Prof. Ola Al-Batayneh</b>
<b>Office Location</b>	24042
<b>Office Hours</b>	Tue : 09:00 - 15:00
<b>Email</b>	olabt@just.edu.jo

**Class Schedule & Room**

Section 1:  
 Lecture Time: U : 09:00 - 16:00  
 Room: HOSPITAL

**Teaching Assistant**

Areej Alqadi(Section 1), Mawia Bataina(), Thikrayat Bani Hani(Section 1)

**Tentative List of Topics Covered**

Weeks	Topic	References
-------	-------	------------

Weeks 1, 2, 3, 4	Applied science in relation to Pediatric Dentistry practice: ? Anatomy of the head and neck including dental anatomy. ? Human disease related to dentistry including relative microbiology pathology and immunology. ? Applied oral physiology with reference to bone growth and development, respiration, circulation, mastication, deglutition and speech. ? Human Embryology and general growth and development and detailed knowledge of dental, oral and craniofacial development. ? Human genetics and detailed knowledge of genetic anomalies of the jaws and teeth. ? Biostatistics. ? Infection control policies and practices.	From Ref #1, From Ref #2, From Ref #3, From Ref #4, From Ref #5, From Ref #6
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Basic Pediatric Dentistry Topics: ? Pediatric infectious diseases ? Pediatric medicine ? Pediatric physical diagnosis: anatomy, physiology and laboratory investigations ? Child development: physical, social and psychological	From Ref #1, From Ref #2, From Ref #3, From Ref #4, From Ref #5, From Ref #6
Weeks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Clinical Pediatric Dentistry Topics: ? Take a relevant history and a history of the present complaint. ? Undertake an intra and extra oral examination of the head and neck. ? Perform a thorough clinical examination of anterior posterior, vertical, and transverse facial proportions and examine soft tissues, dentition, and supporting structures. ? Examine the occlusion: Determine habitual occlusion, evaluate articulation, and jaw relationships. ? Obtain and interpret relevant clinical, radiological and laboratory investigation. ? Take high quality extra-oral and intra-oral photographs. ? Diagnosis procedures. ? Treatment objectives and treatment planning. ? Behavior management modalities. ? Preventive and restorative dentistry in children. ? Preparation of children for comprehensive dental treatment under general anesthesia and attend surgery.	From Ref #1, From Ref #2, From Ref #3, From Ref #4, From Ref #5, From Ref #6

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Obtain knowledge in basic sciences related to pediatric dentistry [1Knowledge-basic sciences]	20%	
Obtain knowledge in pediatric dentistry-related topics [1Knowledge-pediatric dentistry]	20%	
Enhance skills in clinical pediatric dentistry, keep a log-book & perform case presentations and back-up their treatment from the literature [1Clinical skills in pediatric dentistry]	20%	
Thoroughly read articles and critique them and prepare a literature review manuscript on a certain topic(s) [1Written assignments]	20%	
Improve skills in teaching undergraduate students including lecturing and clinical supervision [1Teaching skills]	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
												20	20	20

Evaluation	
Assessment Tool	Weight
Continuous Clinical Assessment at dental hospital clinics	30%
Hospital dentistry (relevant to treatment under GA including organization/preparing GA patient lists admissions (day care and inpatients), discharges, OC clinic coverage and theatre work)	10%
Hospital Rotations	10%
Final Exam (50% at the end of the semester)- composed of clinical (20%), OSCE (20%) and Viva exam (10%). The three exams will be done at the same day.	50%

Policy	
Attendance	Students are expected to perform all theoretical, clinical and teaching aspects of the course.
Participation	Students are expected to participate in all clinical, didactic and teaching responsibilities they are assigned to.

Disputes	Concerns or complaints should be expressed in the first instance to the course coordinator. If no resolution is forthcoming then the issue should be brought to the attention of the Department Chair and if still unresolved to the Dean. Questions about the material covered in the lecture, notes on the content of the course, its teaching and assessment methods can also be sent by e-mail.
Teaching & Learning Methods	Students are expected to learn through patient care, group discussions and attendance of relevant didactic sessions. Faculty members must provide oversight and participate as appropriate

Date Printed: 2021-11-14