

## Module (Paediatric Dentistry) Catalogue

### 2022-2023

College/ Institute	Erbil Medical Technical Institute	
Department	Dental Assistant Department, Morning	
Module Name	Paediatric Dentistry	
Module Code	PED418	
Degree	Technical Diploma <input checked="" type="checkbox"/>	Bachelor <input type="checkbox"/> High Diploma <input type="checkbox"/> Master <input type="checkbox"/> PhD <input type="checkbox"/>
Semester	4	
Qualification	MSc. Degree	
Scientific Title	Assistant Lecturer	
ECTS (Credits)	4	
Module type	Prerequisite <input type="checkbox"/>	Core <input checked="" type="checkbox"/> Assist. <input type="checkbox"/>
Weekly hours		
Weekly hours (Theory)	( 2 )hr Class	( 8 )Total hrs Workload
Weekly hours (Practical)	( 2 )hr Class	( 8 )Total hrs Workload
Number of Weeks	16	
Lecturer (Theory)	Hiwa Saeed Khidir	
E-Mail & Mobile NO.	<a href="mailto:Hiwa.saeed@epu.edu.iq">Hiwa.saeed@epu.edu.iq</a> (07504546994)	
Lecturer (Practical)	Hiwa Saeed Khidir	
Websites	<a href="https://academicstaff.epu.edu.iq/faculty/hiwa.saeed">https://academicstaff.epu.edu.iq/faculty/hiwa.saeed</a>	

# Course Book

<p><b>Course Description</b></p>	<p><b>Course overview:</b></p> <ul style="list-style-type: none"> <li>• Developing competency in the prevention and management of oral-facial health problems of children and adolescents.</li> <li>• Instilling the ability to provide comprehensive oral health care for patients with emotional, intellectual, or psychological disabilities.</li> <li>• Providing an understanding of the biological basis for paediatric dentistry and the application of scientific knowledge to clinical practice.</li> <li>• Developing practical administrative skills to provide efficient provision of dental health care.</li> <li>• Basic principles of nutrition.</li> <li>• Developing an understanding of general concepts and principles of pharmacology, anaesthetic drugs, pre-operative patient assessment.</li> <li>• Developing competency with a number of restorative materials as well as isolation techniques and digital film technology.</li> </ul>
<p><b>Course objectives</b></p>	<p>On completion of this course the student will be able to:</p> <ul style="list-style-type: none"> <li>• Understand development and basic principles of dealing with children and handicapped patients.</li> <li>• Relations with the dentist and patient.</li> <li>• Giving comfort, relieving pain</li> <li>• Removing fear and anxiety</li> <li>• prevention and education</li> <li>• Early diagnosis of disease and treatment</li> <li>• Managing children with special needs (physically, mentally and medically)</li> </ul>
<p><b>Student's obligation</b></p>	<ul style="list-style-type: none"> <li>• 28 hours Theoretical Lectures in class</li> <li>• 28 hours Practical</li> <li>• 4 Quiz</li> <li>• 4 homework</li> <li>• 1 Midterm theory exam</li> <li>• 1 Midterm Practical Exam</li> <li>• 1 Final Theory Exam</li> <li>• 1 Final Practical Exam</li> </ul>
<p><b>Required Learning Materials</b></p>	

Evaluation	Task		Weight (Marks)	Due Week	Relevant Learning Outcome
	Paper Review		14		
	Assignments	Homework	4		
		Class Activity	2		
		Report			
		Seminar			
		Essay			
		Project	14		
	Quiz		4		
	Lab.		6		
	Midterm Exam		16		
	Final Exam		40		
	Total				
Specific learning outcomes:	<ol style="list-style-type: none"> <li>1. Pronounce, define, and spell the Key Terms.</li> <li>2. Describe the appearance and setting of a pediatric dental office.</li> <li>3. List the stages of childhood from birth through adolescence.</li> <li>4. Discuss specific behavior techniques that work as positive reinforcement when one is treating children.</li> <li>5. Describe why children and adults with special needs are treated in a pediatric practice.</li> <li>6. Discuss the importance of preventive dentistry in pediatrics.</li> <li>7. List the types of procedures that are performed for the pediatric patient compared with those performed to treat patients with permanent teeth.</li> </ol>				
Course References:	<p>Modern Dental Assisting, 10<sup>th</sup> Edition by Doni L. Bird CDA RDA RDH MA and Debbie S. Robinson CDA MS</p> <ul style="list-style-type: none"> <li>▪ Student Workbook for Modern Dental Assisting by Doni L. Bird CDA RDA RDH MA and Debbie S. Robinson CDA MS</li> </ul>				

<b>Course topics (Theory)</b>	<b>Week</b>	<b>Learning Outcome</b>
Objectives of Pediatric Dentistry	1	
Introduction to Pediatric Dentistry	2	
Management of child behaviour in clinic	3	
Child development and theories of development	4	
Child behavior in different ages	5	
Patients with Special Needs	6	
Prepare child and parents to visit dental clinic	7	
How to fill paediatric case sheet	8	
Primary teeth numbering	9	
Primary teeth restoration	10	
Materials and instruments used in primary teeth restoration	11	
Periodontal problems in child mouth	12	
Pit and Fissure Sealant	13	
Nutrition	14	
<b>Course topics (Practical)</b>	<b>Week</b>	<b>Learning Outcome</b>
Local anaesthesia	1	
Fluoride application	2	
Instruments and material used for polishing and fluoride application	3	
Minor dental surgery in children	4	
Rubber dam	5	
x- Ray	6	
X- Ray	7	

Pulp treatment and its needs	8	
Pulp treatment and its needs	9	
Primary Teeth Restoration	10	
Primary Teeth Restoration	11	
Extraction Instrument	12	
Pit and Fissure Sealant	13	
Pit and Fissure Sealant	14	

### Questions Example Design

#### 1. Compositional:

What are the reasons for using space maintainers?

When a primary tooth or teeth are lost before it's normal exfoliation time.

1. True or false type of exams:
2. One of the advantages of rubber dam, it decreases the risk of aspiration of instrument.

Answer is TRUE

#### 3. Multiple choices:

1- Fluoride deficiency can cause:

- a- Delay eruption of the teeth
- b- Anaemia
- c- high caries rate

Answer: C

### Extra notes:

### External Evaluator

Promote critical thinking of crucial course concepts. Identify and help students overcome the course. Lectures covered all aspects and fundamentals of Paediatric dentistry in dental assistant perspective.

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