



# Course Specifications

<b>Course Title:</b>	<b>Pre-Clinical Pedodontics</b>
<b>Course Code:</b>	<b>PDS 322</b>
<b>Program:</b>	<b>Bachelor of Dental Surgery</b>
<b>Department:</b>	<b>Preventive Dental Sciences [PDS 322]</b>
<b>College:</b>	<b>College of Dentistry</b>
<b>Institution:</b>	<b>Majmaah University</b>

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## A. Course Identification

<b>1. Credit hours:</b>
<b>2. Course type</b>
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
<b>3. Level/year at which this course is offered:</b>
<b>4. Pre-requisites for this course (if any): RDS 213</b>
<b>5. Co-requisites for this course (if any): None</b>

### 6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	15	25%
2	Blended	--	-
3	E-learning	-	-
4	Correspondence	-	-
5	Other -Laboratory	45	75%

### 7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
<b>Contact Hours</b>		
1	Lecture	15
2	Laboratory/Studio	45
3	Tutorial	-
4	Others (specify)	-
	<b>Total</b>	60
<b>Other Learning Hours*</b>		
1	Study	30
2	Assignments	10
3	Library	20
4	Projects/Research Essays/Theses	-
5	Others (specify)	-
	<b>Total</b>	60

\* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

## B. Course Objectives and Learning Outcomes

### 1. Course Description

This two-credit hour course consists of two parts; theory and practice in 2<sup>nd</sup> Semester. The theoretical part (1 credit hour) is designed to provide Dental students with basic knowledge related Pedodontics. This knowledge includes scope of Pedodontics. The practical part (1 credit hour, 3 contact hours) provides enough skills to equip the students to develop the basic clinical techniques on the study models which can further build the students' dexterity related work on the live patients.

### 2. Course Main Objective

The pre-clinical Pedodontics course is the first course in Pedodontics. The course provides an outline of the Pedodontics and serves as a basis for preparing the students for the clinical Pedodontics in the coming years of their education and also its helps in patient treatment

### 3. Course Learning Outcomes

CLOs		Aligned PLOs
<b>1</b>	<b>Knowledge:</b>	
K3.1	Recall the basic clinical concepts needed for the practice of pediatric dentistry.	K3
<b>2</b>	<b>Skills:</b>	
S4.1	S4.1 Implement various management strategies for children with special emphasis on prevention of oral problems.	S4
S7.1	Demonstrate hand-eye coordination skills for clinical examination, diagnosis and treatment planning of different clinical and dental pediatric procedures on models.	S7
<b>3</b>	<b>Competence:</b>	
C2.1	Demonstrate collaborative teamwork and leadership spirit with responsibility to maintain professional competency. C2	C2

## C. Course Content

No	List of Topics	Contact Hours
1	Introduction and orientation	1
2	Development and eruption of primary teeth, Notation system & dental charting	2
3	Psychology and behavior management technique	2
4	Restorative Dentistry and the Use of Rubber Dam	1
5	Dental material in pediatric dentistry	1
6	Early childhood caries and management	1
7	Preventive dentistry in pediatric dentistry	1
8	Pulp Therapy for the Primary Dentition	1
9	Pulp therapy for young permanent teeth	1
10	Radiographic techniques	1
11	Local Anesthesia in children	1
12	Extraction in pediatric dentistry	1
13	Dental trauma	1
<b>Total</b>		<b>15</b>

## D. Teaching and Assessment

### 1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
<b>1.0</b>	<b>Knowledge</b>		
K3.21	Recall the basic clinical concepts needed for the practice of pediatric dentistry.	Lectures Lab	Written exams Practical exam
<b>2.0</b>	<b>Skills</b>		
S4.4	Implement various management strategies for children with special emphasis on prevention of oral problems..	Lectures	Written exam Practical exam Weekly assessment
S7.7	Demonstrate hand-eye coordination skills for clinical examination, diagnosis and treatment planning of different clinical and dental pediatric procedures on models.	Lab	Approved procedures documented in log book
<b>3.0</b>	<b>Competence</b>		
C2.16	Demonstrate collaborative teamwork and leadership spirit with responsibility to maintain professional competency.	Lab	Weekly assessment Practical exam

### 2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Quiz	4th-5th	5%
2	Midterm written exam	6th-7th	20%
3	Weekly clinical assement	Every week	20%
4	Home work	9th week	10%
5	Professionalism	1st-15th week	5%
6	Final practical exam	13th-14th week	20%
7	Final written exam	14th-15th week	20%
<b>Total</b>			<b>100%</b>

\*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

## E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

Two (2) hours are scheduled as office hours per week.

## F. Learning Resources and Facilities

## 1. Learning Resources

<b>Required Textbooks</b>	<ul style="list-style-type: none"> <li>• Dentistry for the Child and Adolescent 10<sup>th</sup> Edition - Jeffrey A. Dean, David R. Avery and Ralph E. McDonald, Mosby, ISBN: 978-0323057240</li> <li>• Handbook of Pediatric Dentistry 3rd Edition Angus C. Cameron and Richard P. Widmer. Elsevier Ltd, ISBN: 978-0-7234-3695-9</li> </ul>
<b>Essential References Materials</b>	None
<b>Electronic Materials</b>	None
<b>Other Learning Materials</b>	Class room lectures as Power points

## 2. Facilities Required

Item	Resources
<b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)	<ul style="list-style-type: none"> <li>• Lecture room suitable for 30 students</li> <li>• Fully equipped lab for practical sessions</li> </ul>
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	<ul style="list-style-type: none"> <li>• Computer</li> <li>• Projector</li> <li>• Smart board with all the accessories</li> <li>• Internet</li> </ul>
<b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	<ul style="list-style-type: none"> <li>• Typhodont models</li> <li>• Aerotor</li> <li>• Cutting burs,</li> <li>• Gauze, cotton... gloves – surgical and disposable dressing sets.</li> </ul>

## G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	<ul style="list-style-type: none"> <li>• Course Evaluation Survey</li> <li>• Quality of Exam Survey</li> </ul>
	Faculty	<ul style="list-style-type: none"> <li>• CLO Mapping with teaching &amp; assessment.</li> <li>• Course Blueprinting</li> <li>• Grade Analysis</li> <li>• Psychometric Analysis</li> </ul>
	Collogues	<ul style="list-style-type: none"> <li>• Grade Verification</li> </ul>
Extent of achievement of course learning outcomes	Faculty member / Quality assurance committee	<ul style="list-style-type: none"> <li>• Direct assessment outcome analysis</li> <li>• Course report preparation</li> </ul>
Quality of learning resources,	Faculty/Students	<ul style="list-style-type: none"> <li>• Academic advising survey</li> <li>• Student experience survey</li> </ul>

Evaluation Areas/Issues	Evaluators	Evaluation Methods
etc		

**Evaluation areas** (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

**Evaluators** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

### H. Specification Approval Data

<b>Council / Committee</b>	Department council
<b>Reference No.</b>	*****
<b>Date</b>	*****