



Beni-Suef University
Faculty of Dentistry
Quality Assurance Unit



Course Specification

University: Beni-Suef

Faculty: Dentistry

Course Title: Pediatric Dentistry and Dental Public health

Course code: DPP5

Program on which the course is given: Bachelor's degree in Dentistry, Graduate program

Department offering the course: Pediatric Dentistry and Dental Public health

Academic year: Fourth Year

Date of specification approval: September 2023

Basic Information

Academic Year:	2023-2024
Course Code:	DPP5
Course Theoretical (contact hours):	2
Practical (contact hours)	2
Total Hours:	4 H
Prerequisite if any:	No

B- Professional Information

Overall aims of course

- i. Present perfectly the meaning of applications and benefits of pediatric dentistry.
- ii. Gain the ability to deliver optimal oral health care for infants, children adolescents and special health needs individuals. The skills, knowledge and abilities acquired during Specialty training aim to equip the Pediatric Dentist to deliver effective oral health care to those children.
- iii. Acquire an appropriate background on preventive dentistry and dental public health.

iv. Know the principles of epidemiology and the different indices used in dental caries and periodontal disease.

2- Intended learning outcomes of course (ILOs)

a. Knowledge and understanding:

- a1- Define pediatric dentistry & its goals.
- a2- Identify differences between primary and permanent teeth & its effect on the various treatments.
- a3- Describe the types of child behavior in dental clinic & different methods of behavior management for a child
- a4- Classify dental caries & principles cavity preparation & pulp therapy in both deciduous teeth & young permanent teeth.
- a5- Classify dental trauma, various pulp reactions to trauma & its management.
- a6- Describe lesions affecting gingival and periodontal tissues of children.
- a7- Describe strategy of prevention of dental caries, periodontal disease, malocclusion, traumatic injuries, oral cancer, and communicable disease.
- a8- Describe types of epidemiological studies and indices for different stages & types of dental caries and periodontal disease.
- a9- Describe type of professionally trained auxiliaries in dentistry
- a10- Define factors affecting dental needs and demands for dentistry

b. Intellectual skills:

- b1- Evaluate benefits of pediatric dentistry for child, dentist and nation.
- b2- Assess the clinical significance of morphological difference between primary & permanent teeth.
- b3- Classify dental trauma, space maintainers, handicapped children.
- b4- Diagnose and treatment planning of gingival and periodontal conditions of child and adolescent.
- b5- Assess role of prevention in dental public health.
- b6- Criticize types sampling and indices used in assessment of dental caries and periodontal diseases.
- b7- Differentiate teamwork and group practice

c. Professional and practical skills:

- c1- Interpret x-rays and diagrams to predict the age of the patient, report the occlusion status and assess the occlusion regarding his age.
- c2- Compare between primary and permanent teeth regarding morphological and structural difference & its effect on the various treatments.
- c3- Organize information gathered from history taken from the patient and from clinical examination to reach proper diagnosis and suitable treatment plan.
- c4- Evaluate different cavity preparations on natural extracted teeth.
- c5- Evaluate pulpotomy procedure on extracted teeth.
- c6- Apply your learning to reach proper diagnosis and treatment planning of various traumatic injuries.

d. General and transferable skills:

- d1- Write reports using internet in research and communications.
- d2- Communicate as a part of teamwork.

3-Contents:

Topic	lecturer	Number of Lecture session covering the topic	Number of Practical sessions number covering the topic	Total Hours	Weighing of the topic	ILOs covered by this topic	Teaching method used for this topic	Assessment methods used for this topic
Introduction	Dr. Sarah	1	1	4 hrs	4.7	a1,b1	4.a, 4.b	5.a-5.d, 5.i
Morphology & occlusion	Dr. Shereen	1	1	4 hrs	4.7	a2,b2,c1,c2	4.a, 4.b	5.a-5.i
Behavior management	Dr. Sarah	4	-	8 hrs	19.	a3	4.a, 4.b	5.a-5.d, 5.i
Early childhood caries & rampant caries	Dr. Shereen	1	-	2 hrs	2.38	a4,c3	4.a, 4.c	5.a-5.i
Restorative dentistry	Dr.Shereen	1	4	10 hrs	11.9	a4, c2,c3, c4	4.a-4.c	5.a-5.i
Management of deep caries	Dr. Sarah	2	10	22 hrs	28.5	a4, c2,c3, c5	4.a-4.c	5.a-5.i
Prevention of dental caries	Dr. Sarah Dr.Shereen	2 3	-	10 hrs	11.9	a7, b5	4.a,4.b,4.d	5.a-5.d, 5.i
Management of space problems in children	Dr. Shereen	1	-	2 hrs	2.38	a7, b3	4.a,4.b	5.a-5.i
Interceptive orthodontics	Dr. Sarah	1	-	2 hrs	2.38	a7, b3	4.a,4.b	5.a-5.i

Gingival and Periodontal conditions in children	Dr.Shereen	1	-	2 hrs	2.38	a6, b4	4.a,4.b	5.a-5.i
Management of traumatic injuries in children	Dr. Sarah	2	-	4 hrs	4.7	a7, b3,c6	4.a,4.b, 4.e	5.a-5.d,5.h ,5.i
Dental management of children with special health care needs (online)	Dr. Sarah	1	-	2 hrs	2.38	b3	4.a, 4.b, 4.d, 4.e	5.a-5.d, 5.h , 5.i
Prevention of traumatic injuries and oral cancer (online)	Dr. Sarah	1	-	2 hrs	2.38	a7,b5	4.a, 4.b, 4.d, 4.e	5.a-5.d, 5.h, 5.i
Epidemiology& sampling	Dr.Shereen	3	-	6 hrs	7.1	a8,b6	4.a, 4.b, 4.d, 4.e	5.a-5.d, 5.h, 5.i
Organization of dental care	Dr. Shereen	1	-	2 hrs	2.38	a9,a10,b7	4.a, 4.b, 4.d	5.a-5.d, 5.i

4- Teaching and learning methods

4.a Small group discussion / Brain storming

4.b Interactive lecture

4.c Demonstrations

4.d Research project

4. e Online lectures to compensate for short working hours during Ramadan days

5- Student assessment methods

5.a Written and short answer question

5.b Written and long essay.

5.c Multiple choice questions (MCQ)

5.d True or false question with justifying answer.

5.e Practical / OSPE

5.f Project work

5.g logbooks

5.h Online work

5. i Online exams

Assessment schedule

method	Assessment schedule	Matrix alignment of the measured ILOs/ Assessment methods			
		K&U	I.S	P&P.S	G.S
Final Exam	June 2024	a1-a10	b1-b7		
practical Exam	May 2024		b2-b5	c1-c6	
oral Exam	June 2024	a1-a10			d1-d2
Periodic examination	During the year	a1-a10	b1-b7		

Weighting of assessments

	Written	Practical	Oral Exam	Total
Final Exam	60	20	40	150
Attendance	10			
Participation	20			

6- List of reference;

1- Course notes

2- Text books

-Dentistry For The Child And Adolescent, McDonald, R. E.; Avery,D .R.and Dean J.A, Elsevier, 10th edition, 2016.

- Pediatric Dentistry infancy through adolucence. Pinkham, Casmasimo, Fields, McTigue, Nowak, Elsevier, 6th edition 2018.

- Hand book of pediatric dentistry, Angus C Cameron, Richard P Wirmer, Elsevier,5th edition 2021

- Guidelines of the American Academy of Pediatric Dentistry 2023.

Facilities required for teaching and learning

- Illustration white board
- Markers
- Datashow-computers
- Prepared labs with adequate no. of simulators
- Materials
- Acrylic casts
- Hand instruments
- Electronic and printed libraries

Course coordinator: **Dr. Sarah Mohamed Shafik Khalil**

Head of Department: **Prof. Dr. Ahmed Fathallah**

Date: 9 /2023