

1	Course title	Pediatric Dentistry Theory '1'
2	Course number	1303485
3	Credit hours (theory, practical)	1 credit hour
	Contact hours (theory, practical)	1 hour
4	Prerequisites/corequisites	NA
5	Program title	DDS in Dentistry
6	Program code	NA
7	Awarding institution	The University of Jordan
8	School	Faculty of Dentistry
9	Department	Pediatric Dentistry and Orthodontics
10	Level of course	Fourth year
11	Year of study and semester (s)	Fourth year. 2 nd semester
12	Final Qualification	DDS
13	Other department (s) involved in teaching the course	NA
14	Language of Instruction	English
15	Date of production/revision	15/2/2023

16. Course Coordinator:

Prof. Suha Abu-Ghazaleh
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17. Other instructors:

Prof. Hawazen Sonbol: h.sonbol@ju.edu.jo
Dr. Rawan Elkarmi: r.elkarmi@ju.edu.jo
Dr. Ahmad Jafari: ahmad.jafari@ju.edu.jo

18. Course Description:

This is an introductory course to Pediatric Dentistry. Students will learn basic principles of dental arch development as well as principles of behavior management techniques for children in the dental office. Students will also learn about dental caries in children and its restorative management.

19. Course aims and outcomes:

<p>A- Aims:</p> <p>To provide students with the academic knowledge that will enable them to assess the needs and provide appropriate treatment for pediatric patients.</p> <p>For students to have an understanding of common behavior management techniques used in the treatment of children.</p> <p>To aid students in understanding the mechanism of the progression of dental caries in children as well as some of the clinical techniques available for its management.</p> <p>For students to be able to distinguish between management for primary and permanent teeth</p>
<p>B- Intended Learning Outcomes (ILOs):</p> <p>Upon successful completion of this course students will be able to</p>
1. Take a proper history and establish rapport with children.
2. Arrive at a reasonable treatment plan following proper history taking and examination.
3. Have the knowledge of arch development in children specifically with regard to eruption and exfoliation of primary teeth and eruption of permanent teeth.
4. Have the knowledge of basic behavior management techniques as well as when to refer for more advanced behavior management techniques.
5. Integrate behavior management techniques and apply them for each pediatric patient.
6. Have the knowledge of pharmacological behavior management techniques.
7. Have the knowledge of local anesthesia techniques in children.
8. Efficiently diagnose Early Childhood Caries with management and preventive options.
9. Understand the differences in morphology between primary and permanent teeth and their clinical implications.
10. Understand principles of cavity design in primary teeth.
11. Choose the right restorative material for each clinical situation based on knowledge acquired
12. Identify the indications for the use of stainless steel crowns in pediatric dentistry and know how to place them.
13. Understand the consequences of early loss of primary teeth and ways to prevent that with the use of space maintainers.

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Introduction to paediatric dentistry	1	Dr. Suha Abu-Ghazaleh	1	22(1,2)	25(A,B)
Examination assessment and treatment planning.	2	Dr. Suha Abu-Ghazaleh	1,2	22(1,2)	25(A,B)
Behaviour management in paediatric dentistry. <ul style="list-style-type: none"> • Non pharmacological • Pharmacological 	3,4,5	Dr. Suha Abu-Ghazaleh	4, 5, 6	22(1,2)	25(A,B)
Eruption and arch development: Life Cycle of teeth. The pre-eruptive period. Eruption of primary teeth.	6	Dr. Rawan Elkarmi	3	22(1,2)	25(A,B)
Eruption and arch development: Period of the mixed dentition and eruption of permanent teeth.	7	Dr. Rawan Elkarmi	3	22(1,2)	25(A,B)
Local anaesthesia in children.	8	Dr. Ahmad Aljafari	7	22(2)	25(A,B)
Early Childhood Caries	9	Dr. Rawan Elkarmi	8	22(2)	25(A,B)
Restorative Dentistry for primary teeth: basic principles.	10, 11	Dr. Hawazen Sonbol	9,10,11	22(2)	25(A,B)
Stainless Steel Crown	12	Dr. Rawan Elkarmi	12	22(2)	25(A,B)
Consequences of early extraction of primary teeth: space maintenance.	13,14	Dr. Rawan Elkarmi	13	22(2)	25(A,B)

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

Lectures: Fourteen 1-hour lectures.

Moodle: e-learning through lecture notes and discussions.

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

1. Midterm exam: 40 points. (MCQs or essays)
2. Final Exam: 60 points. (MCQs or essays)

23. Course Policies:

A- Attendance policies:

Lecture attendance is obligatory. The hand-out and recommended textbook are not comprehensive and additional material will be covered in lectures. You are responsible for all material covered in lectures. Students are not allowed to enter lecture room after 5 minutes of its start. Marks are not awarded for attendance. Students are not allowed to attend final exam if they exceed the permitted percentage of absences set in the UJ's regulations.

B- Absences from exams and handing in assignments on time:

The student will be allowed to sit for a make-up exam if he/she did not attend the exam due to an acceptable excuse and the excuse was presented in due time as set in the UJ's regulations. If he/she did not attend an exam without an acceptable excuse, the student's mark for that exam will be zero.

C- Health and safety procedures:

No special recommendations.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

Cheating is considered an unacceptable behavior in exams and a reason for unsuccessful course result. Please refer for your *Student Guide* book for detailed regulations.

E- Grading policy:

Percentage marks are converted to letters.

F- Available university services that support achievement in the course:

Students can utilize UJ's medical or main library facilities. In addition, they can access e-journals and e-books within campus. A lot of other facilities and support can be provided through the Deanship of Student Affairs.

24. Required equipment: (Facilities, Tools, Labs, Training....)

None special

25. References:

A- Required book (s), assigned reading and audio-visuals:

Paediatric Dentistry. Richard R. Welbury, Oxford, Edt. 5th edition. 2018.

B- Recommended books, materials, and media:

1. Handbook of Pediatric Dentistry. Angus C. Cameron and Richard P. Widmer. Mosby. 5th edition, 2021.
2. Dentistry for the child and adolescent. Ralph E. McDonald, David R. Avery. St. Louis, Toronto, London. C.V. Company. 11th edition. 2021.
3. Guidelines of the American Academy of Pediatric Dentistry
4. Guidelines of the European academy of Pediatric Dentistry

26. Additional information:

Expected workload:

On average, you should expect to spend between 2 and 3 hours per week on this course.

Name of Course Coordinator: **Prof. Suha Abu-Ghazaleh** Signature: ----- Date: 15/2/2023

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- Signature: -----