

The University of Jordan
Faculty of Dentistry
Department of Pediatric Dentistry, Orthodontics and Preventive Dentistry

Course Title: Pediatric Dentistry Theory-1

Course Code: 1303485

Course Coordinator: Dr. Suha Abu-Ghazaleh

Year: 4th year, second semester

Credit: 1 credit hour

Instructors:

Name	E-mail address
Prof. Mahmoud Hamdan	anwarm@ju.edu.jo
Dr. Suha Abu-Ghazaleh	s.ghazaleh@ju.edu.jo
Dr. Hawazen Sonbol	hsonbol@hotmail.com

Course Objectives:

- To provide students with the academic knowledge that will enable them to assess the needs and provide appropriate treatment for pediatric patients.
- For students to have an understanding of common behavior management techniques used in the treatment of children.
- To aid students in understanding preventive clinical techniques, specifically fissure sealants.
- For students to be able to distinguish between management for primary and permanent teeth

Teaching methods:

- Duration: 16 weeks, 16 hours in total.
- Lectures: 14 hours, 1 per week + two weeks for exams.

Modes of assessment:

- Midterm exam: 50 points, MCQs.
- Final Exam: 50 points, MCQs.

Attendance policy:

Lecture attendance is obligatory. The references and recommended textbook are not comprehensive and additional material will be covered in lectures. You are responsible for all material covered in lectures.

Course Content:

Lecture no.	Subject	Material covered	
1	Introduction to pediatric dentistry. Examination assessment and treatment planning for pediatric patients.	<ul style="list-style-type: none">• Scope and Aims of Pediatric Dentistry.• History taking	<ul style="list-style-type: none">• Clinical Examination• Investigations• Treatment planning
2	Eruption and arch development: Life Cycle of teeth. The pre-eruptive period. Eruption of primary teeth. Static period of the primary dentition.	<ul style="list-style-type: none">• Life cycle of teeth.• Pre-eruptive period.	<ul style="list-style-type: none">• Period of eruption of the primary dentition.• Static period of the primary dentition
3	Eruption and arch development: Period of the mixed dentition and eruption of permanent teeth.	<ul style="list-style-type: none">• Shedding of primary teeth.• Mixed dentition period	<ul style="list-style-type: none">• Chronology, sequence and rhythm of eruption of permanent teeth• . Occlusion
4-6	Behavior management in pediatric dentistry.	<ul style="list-style-type: none">• Non pharmacological behavior management techniques.	<ul style="list-style-type: none">• Pharmacological behavior management techniques
7	Morphologic Differences between primary and permanent teeth: clinical implications.	<ul style="list-style-type: none">• Crown differences between primary and permanent teeth	<ul style="list-style-type: none">• Root differences between primary and permanent teeth• Clinical implications
8	Restorative Dentistry for primary teeth: basic principles.	<ul style="list-style-type: none">• Principles of cavity preparation for primary teeth	<ul style="list-style-type: none">• Restorative materials use in primary teeth
9	Consequences of early extraction of primary teeth: space maintenance.	<ul style="list-style-type: none">• Effects of early loss of primary teeth• Prevention of space loss	<ul style="list-style-type: none">• Types of space maintainers• Indications for use
10	Local anesthesia in children.	<ul style="list-style-type: none">• Types of local anesthesia	<ul style="list-style-type: none">• Local anesthesia techniques in children
11-13	The acid etch technique in caries prevention.	<ul style="list-style-type: none">• Mechanisms of the acid etch technique in caries prevention.• Types of fissure sealants.	<ul style="list-style-type: none">• Rationale for use of fissure sealants.• Fissure sealants application technique

14	Oral Surgery in Children	<ul style="list-style-type: none"> • Scope of oral surgery in children 	<ul style="list-style-type: none"> • Techniques for oral surgery in children
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Feedback:

Concerns or complaints should be expressed in the first instance to the course instructor. 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 lectures, notes on the content of the course, its teaching and assessment methods can be also sent by e-mail.

References and Supporting Material:

- Paediatric Dentistry. Richard R. Welbury, Oxford, Edt. 3rd edition. 2005.
- Dentistry for the child and adolescent. Ralph E. McDonald, David R. Avery. St. Louis, Toronto, London. C.V. Company. 9th edition. 2011.
- Pediatric Dentistry: Infancy through Adolescence. Pinkham JR. W.B. Saunders Company. Philadelphia, London. 4th edition. 2005.
- Handbook of Pediatric Dentistry. Angus C. Cameron and Richard P. Widmer. Mosby. 3rd edition, 2008.
- Selected articles from the following journals:
 - ASDC Journal of Pediatric Dentistry
 - Pediatric Dentistry. The journal of the American Academy of Pediatric Dentistry.
 - International Journal of Paediatric Dentistry.
 - Dental Traumatology
 - Community Dental Health.
- Specific web sites related to Pediatric Dentistry.