

**Guidance of Theoretical Children's Unit 1 in the first semester of  
the academic year 2025-2026**

**Instructor/Instructors: Dr. Shahvaghar, Dr. Halimi, Dr. Jamei Khosrowshahi,  
Dr. Sajjadi, Dr. Teymouri, Dr. Haj Abbas Oghli, Dr. Kalantari**

**Prerequisite or concurrent unit:**

Theoretical Restorative 1, Theoretical Radiology 1, Periodontology 1, Theoretical Endo 1, Theoretical Surgery 1

**Number of units: Unit type:** 1 theoretical unit    **Degree:** Doctor of General Dentistry

**Number of sessions or number of days in the department:** 15 sessions

Course length: 4 months

**Start and end date of the course:** 2025/9/27-2026/1/21

**Meeting times per week (or hours of attendance in the department):** 12:45 PM

Sundays

Location of in-person meetings, clinic and department, morning report, etc.:

Entrance 3, Class 2

**General introduction of the course :**

**This course is designed to familiarize general dentistry students with the basic and fundamental topics of pediatric dentistry.**

## **General objective and introduction of the course unit:**

### **After completing this course, learners are expected to be able to:**

The goal of the theoretical course and practical work in pediatric dentistry is for the student to understand the methods of preventing and treating children's oral and dental problems based on valid scientific evidence, and have a general understanding of the growth and development of occlusion and the causes of developmental abnormalities of teeth, and to know how to prevent them, if necessary.

Also, communicate with the child correctly, provide proper treatment in full compliance with infection control principles, feel responsible and committed to their work, and refer cases to the hospital.

### **Educational objectives of the course unit**

- 1-The importance of pediatric dentistry and the examination, diagnosis, and treatment plan for children
- 2-Differences in radiography in children and adults
- 3-The child's mental, physical, and psychological development
- 4-Methods of communicating with the child and the child's parents
- 5-Non-pharmacological methods of guiding the child's behavior
- 6-Types of mechanical and chemical plaque removal devices and how to remove them in children and their differences from adults
- 7-How to assess nutrition and correct it in children
- 8-Types of fluoride, its mechanism of action and administration
- 9-Differences in anesthesia in children and complications of soft tissue anesthesia and its permissible dose
- 10- Morphology of primary teeth and its difference from permanent teeth, difference in anatomy and physiology of pulp of primary and young permanent teeth
- 11-Fissuresealant and PRR

12-Differences in the treatment of deciduous teeth, the use of rubber dam, common dental materials and their uses in children

13- Treatment of deep caries, pulpotomy and pulpectomy of deciduous teeth, materials used in the treatment of the pulp of deciduous teeth and familiarity with the problems of pulp treatment of deciduous teeth

**Method of providing education**

1-Direct education (lecture)

2-questions and answers

3-Problem Based Learning

## **Student evaluation method**

MCQ Exam (Multiple Choice - End of Semester)

Minimum passing score for this course: 12

Number of hours of excused absence allowed (with the approval of the instructor) for this course unit : 3/15

## **Educational resources**

1. Dean JA, editor. McDonald and Avery's Dentistry for the Child and Adolescent: Elsevier. Last Edition
2. Casamassimo PS, Fields H, McTigue DJ, Nowak AJ. Pediatric dentistry: infancy through adolescence: Elsevier/Sounders;. Last Edition

## **Educational resources for further study**

Scientific articles related to pediatric dentistry

## **Learning opportunities**

Annual Pediatric Dentistry Congress

**Contact information**

Course instructor/instructors (phone, email, etc.):

Educational expert (phone, email, etc.):