

**Practical Children's Course 1 Guide for the Second Semester of
the Academic Year 2025-2026**

Instructor(s):

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Prerequisites or Concurrent Courses: Infection Control, Practical Dental Radiology (Oral and Maxillofacial), Practical Restorative Dentistry 1, Practical Endodontics 1, Pediatric Dentistry Theory 1

Credits: 2 Units **Type:** Practical **Level:** Doctor of Dental Surgery (DDS)

Number of Sessions / Days of Attendance in the Department: One day per week

Course Duration: 4 months

Course Start and End Dates: September 26, 2025 to January 21, 2026

Weekly Session Time (or Department Attendance Hours): 14:00 to 17:00 (2 PM to 5 PM)

Saturdays to Wednesdays

Location of In-Person Sessions, Clinic, Department, Morning Reports, etc.:

Entrance 1, First Floor, Pediatric Dentistry Department

Course Overview: This course is designed to familiarize students with routine dental treatments in children. These treatments include various procedures such as extractions, restorations, and pulp therapies for primary teeth.

Course Objective and Overview:

By the end of this course, students are expected to:

- Understand evidence-based prevention and treatment methods for pediatric oral health issues.
- Gain foundational knowledge of occlusal development and the causes of dental developmental anomalies, along with preventive strategies.
- Communicate effectively with children in a clinical setting.
- Perform treatments with strict adherence to infection control protocols.
- Demonstrate responsibility and professional commitment in clinical practice.
- Appropriately refer cases requiring hospital-level care.

Educational objectives of the course plan

Minimum Expected Practical Skills

By the end of the course, students are expected to demonstrate proficiency in the following clinical and technical skills:

1. Perform Class I and Class II cavity preparations on primary molars using both casts and dental simulation heads.
2. Accurately perform Class V cavity preparations on primary teeth using casts and simulation heads.
3. Correctly apply fissure sealants, complete Caries Arresting Restorations (CAR), and perform surface restorations on permanent teeth using both casts and real patients.
4. Execute pulpotomy procedures on extracted primary molars with precision.
5. Perform pulpectomy procedures on extracted anterior and posterior primary teeth effectively.
6. Fabricate both fixed and removable space maintainers using dental models obtained from impressions.
7. Select appropriate SSCs for casted teeth, perform accurate tooth preparation, and cement the crown using suitable materials.
8. Conduct pediatric patient examinations, establish diagnoses, and complete patient records, including obtaining informed consent from parents—with guidance from senior students.

Skill Requirements and Minimum Case Numbers

| No. | Skill Description | Minimum Requirement |
|-----|--|---|
| 1 | Knowledge of primary tooth anatomy, morphology, eruption, and exfoliation timelines | Upon entry into the department |
| 2 | Radiographic diagnosis and complete patient record (medical/dental history, intraoral and extraoral exam, clinical and radiographic assessments) | 2 patients |
| 3 | Cavity preparation (Amalgam Class I, Class II, and Class V) | 1 case of each |
| 4 | Fluoride therapy, polishing, and oral hygiene instruction | 3 cases |
| 5 | Fissure sealant, PRR (Preventive Resin Restoration), CAR (Caries Arresting Restoration) | 1 case of each |
| 6 | Stainless Steel Crown (SSC) placement | 1 case |
| 7 | Pulpotomy and Pulpectomy | 2 pulpotomies, 1 pulpectomy (posterior or anterior primary tooth) |
| 8 | Fabrication of fixed and removable space maintainers | As needed |
| 9 | Obtaining informed consent from parents | For all treated cases |
| 10 | Child behavior management | For all treated cases |
| 11 | Establishing effective communication with pediatric patients | For all treated cases |
| 12 | Fissure sealant and PRR (CAR) | 2 cases of each |
| 13 | Fluoride therapy and polishing | 3 cases |
| 14 | Administration of local anesthesia | As needed |

Instructional Methods

- 1- Direct Instruction (Lecture)
- 2- Interactive Q&A Sessions
- 3- Demonstration and Explanation
- 4- Problem Based Learning
- 5- Peer Instruction

Student Evaluation

Total Score: **20 Points**

1. Attendance and Discipline in the Department: 5
 2. Entry Exam (Descriptive Format): 5
 3. Performance Evaluation Based on Logbook Checklist: 10
- **Minimum Passing Score:** 12 out of 20
 - **Permitted Excused Absence Hours (with instructor approval):** 0 hours

Educational References

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 References for further study

Scientific papers of pediatric dentistry

Learning Opportunities

The Annual Pediatric Dentistry Congress

Contact Information

Course Instructor(s): (Phone, Email, etc.)

Educational Coordinator: (Phone, Email, etc.)