

1	Course title	Paediatric Dentistry Clinical-1
2	Course number	1303488
3	Credit hours (theory, practical)	One credit hour (Clinical)
	Contact hours (theory, practical)	Two hours /week
4	Prerequisites/corequisites	None
5	Program title	Doctor of Dental Surgery (DDS)
6	Program code	NA
7	Awarding institution	The University of Jordan
8	School	Faculty of Dentistry
9	Department	Department of Paediatric dentistry and orthodontics
10	Level of course	Bachelor
11	Year of study and semester (s)	Fourth year, second semester
12	Final Qualification	DDS
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	20/2/2023

#### 16. Course Coordinator:

Name: Dr. Ahmad Aljafari  
Email: [ahmad.jafari@ju.edu.jo](mailto:ahmad.jafari@ju.edu.jo)

#### 17. Other instructors:

Dr. Ibrahim Dabous (part timer)  
Dr Othman Al Ajlouni(part timer)  
Dr Rami Al Farah (part timer)

#### 18. Course Description:

*This course is an introduction to clinical Paediatric Dentistry. Students learn basic principles of history taking, examination and treatment planning of paediatric patients. Students also learn how to perform paediatric dentistry procedures including local anaesthesia and extractions, fissure sealant of permanent molars, pulpotomy of primary molars, stainless steel crown preparation, splint placement and space maintainer construction.*

#### 19. Course aims and outcomes:

## A- Aims:

- Provide the students with the basic clinical knowledge needed to examine and plan treatment for paediatric patients.
- Introduce the students to basic clinical techniques used in the provision of treatment to paediatric patients.

## B- Intended Learning Outcomes (ILOs).

- 1- Able to record patient-scenario history and examination results using the department's examination form.
- 2- Able to chart the dentition of paediatric patients using the FDI system.
- 3- Develop basic understanding of the process of dental caries and how to diagnose it clinically and radiographically in a paediatric patient.
- 4- Knows the indications for radiographic examination in children and able to choose radiographic views and interpret them.
- 5- Knows the basic components of caries prevention in paediatric patients and able to give evidence-based oral hygiene and diet advice to paediatric patients.
- 6- Able to write a preventive plan for simple paediatric cases.
- 7- Knows the steps for fissure sealant and fluoride varnish application and able to apply fissure sealant on block-mounted teeth.
- 8- Knows the techniques used for the behavioural management and administration of Local Anaesthesia in paediatric patients.
- 9- Knows local anaesthesia techniques, agents, and toxicity when used in paediatric patients.
- 10- Knows simple dental extraction techniques and armamentarium needed in paediatric patients.
- 11- Knows the principles of drug prescription and dose calculation in paediatric patients.
- 12- Knows the indications and types of space maintainer and the steps for their construction.
- 13- Able to form treatment plan for simple paediatric cases and record the treatment plan using the department's form.
- 14- Knows the indications and contraindications for pulpotomy in primary teeth and its technique and materials that can be used.
- 15- Knows how to record the history and examine a patient with simple dental trauma.
- 16- Knows the classification of injuries to oral and dental tissues.
- 17- Develops basic knowledge of the emergency management of simple dental trauma cases and able to perform a composite-wire splint for teeth with simple luxation injury.

**20. Topic Outline and Schedule:**

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Introduction to history and examination of paediatric patients.	1+2	Dr. Ahmad Aljafari	1,2	In-class quiz, online quiz, final exam	Blended learning: videos on e-learning and reading from Paediatric Dentistry, 3 <sup>rd</sup> edition, Welbury, Duggal, Hosey, Oxford 2005
Cariology and basics of clinical and radiographic examination	3+4	Dr. Ahmad Aljafari	3,4	In-class quiz, online quiz, final exam	Blended learning: videos on e-learning and reading from Paediatric Dentistry, 3 <sup>rd</sup> edition, Welbury, Duggal, Hosey, Oxford 2005
Caries risk assessment and prevention	5+6	Dr. Ahmad Aljafari	5,6,7	Case discussion, Coursework, online quiz, final exam	Blended learning: videos on e-learning and reading from Paediatric Dentistry, 3 <sup>rd</sup> edition, Welbury, Duggal, Hosey, Oxford 2005
Local anaesthesia, extraction, space maintainers, and drug prescription in paediatric dentistry	7+8	Dr. Ahmad Aljafari	8,9,10,11,12	In-class quiz, online quiz, final exam	Blended learning: videos on e-learning and reading from Paediatric Dentistry, 3 <sup>rd</sup> edition, Welbury, Duggal, Hosey, Oxford 2005
Treatment planning in paediatric dentistry	9+10	Dr. Ahmad Aljafari	13	In-class case discussion, In-class quiz, final exam	Blended learning: videos on e-learning and reading from Paediatric Dentistry, 3 <sup>rd</sup> edition, Welbury, Duggal, Hosey, Oxford 2005
Pulp Therapy in primary teeth.	11+12	Dr. Ahmad Aljafari	14	Coursework, online quiz, final exam	Blended learning: videos on e-learning and reading from Paediatric Dentistry, 3 <sup>rd</sup> edition, Welbury, Duggal, Hosey, Oxford 2005
Introduction to dental trauma	13+14	Dr. Ahmad Aljafari	15,16,17	Coursework, In-class quiz, final exam	Blended learning: videos on e-learning and reading from Paediatric Dentistry, 3 <sup>rd</sup> edition, Welbury, Duggal, Hosey, Oxford 2005

**21. Teaching Methods and Assignments:**

Blended learning: students alternate between attending the lab in person and completing online tasks every other week.

## 22. Evaluation Methods and Course Requirements:

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

- Lab and online based requirements and quizzes: 60 points
- Final Exam: 40 points
- Competency in: Tooth charting in mixed-dentition, intra-oral radiograph interpretation in mixed/primary dentition, dietary sheet analysis and advice.

## 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 and material covered in e-learning discussions. 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 set in the UJ's regulations.

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

The student will be allowed to set for a make-up exam (usually essay) 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. Contributions in e-learning forums are accepted if submitted 24 hours before time of final exam.

### **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. (A)/(A-) are usually given for top 15% of students. Percentage mark < 50 does not mean a mark of (D-) or (F).

### **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. They can access the Moodle e-learning through the UJ's wireless internet facilities for free or through the computer lab in the Faculty of Dentistry. A lot of other facilities and support can be provided through the Deanship of Student Affairs.

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

Paediatric dentistry lab facility  
E-learning portal

## 25. References:

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

Paediatric Dentistry, 3<sup>rd</sup> edition, Welbury, Duggal, Hosey, Oxford 2005

- Handbook of Pediatric Dentistry. Angus C. Cameron and Richard P. Widmer. Mosby. 4<sup>th</sup> edition, 2013.
- Dentistry for the child and adolescent. Ralph E. McDonald, David R. Avery. St. Louis, Toronto, London. C.V. Company. 9<sup>th</sup> edition. 2010.
- Pediatric Dentistry: Infancy Through Adolescence. Pinkham JR. W.B. Saunders Company. Philadelphia, London. 5<sup>th</sup> edition. 2013.
- Selected articles from the following journals:
  - Journal of Dentistry for Children
  - Pediatric Dentistry. The journal of the American Academy of Pediatric Dentistry.
  - International Journal of Paediatric Dentistry.
  - Dental Traumatology
- Specific web sites related to Pediatric Dentistry
  - [www.aapd.org](http://www.aapd.org)
  - [www.bspd.co.uk](http://www.bspd.co.uk)

### B- Recommended books, materials, and media:

- Selected articles from the following journals:
  - Journal of Dentistry for Children
  - 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.

## 26. Additional information:

On average you should expect to spend between 3 and 5 hours per week on this course

Name of Course Coordinator: **Ahmad Aljafari** Signature: ----- Date: **20/2/2023**

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

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

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

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