

1	Course title	Pediatric Dentistry, Clinical 2
2	Course number	1303586
3	Credit hours (theory, practical)	2 credit hours
	Contact hours (theory, practical)	32 sessions, one 3-hour practical session every other week
4	Prerequisites/corequisites	1303485, 1303486
5	Program title	DDS in Dentistry
6	Program code	NA
7	Awarding institution	The University of Jordan
8	School	Faculty of Dentistry
9	Department	Paediatric Dentistry
10	Level of course	Fifth year
11	Year of study and semester (s)	Fifth year. 1 st and 2 nd semesters
12	Final Qualification	DDS
13	Other department (s) involved in teaching the course	NA
14	Language of Instruction	English/Arabic
15	Date of production/revision	20/9/2022

16. Course Coordinator:

Dr.Rawan ElKarmi

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Office Number: 23591

Office hours: Monday 12:00-2:00

17. Other instructors:

Dr. Suha Abu-Ghazaleh	s.ghazaleh@ju.edu.jo
Dr. Hawazen Sonbol	h.sonbol@ju.edu.jo
Dr. Ahmad Aljafari	jafari.a85@gmail.com
Dr. Karam Abu-Shaqra (part-timer)	
Dr. Ibrahim Dabous (part-timer)	

18. Course Description:

A clinical course during which students are expected to examine and offer treatment to pediatric dental patients presenting with varying oral conditions.

19. Course aims and outcomes:

A- Aims:

- To provide the student with the clinical skills to assess the needs, diagnose and provide appropriate treatment for pediatric patients with carious and pulpally involved teeth.
- To provide the student with the clinical skills to assess the needs, diagnose and provide appropriate immediate and subsequent treatment for traumatically involved teeth in children.
- To provide the student with the academic knowledge and clinical skills to assess the needs and provide appropriate preventive treatment for pediatric dental patients.
- To improve the manual dexterity of the students.

B- Intended Learning Outcomes (ILOs):

Upon successful completion of this course students will be/ will be able to ...

- Efficient at history taking, clinical examination, and diagnosing hard and soft tissue anomalies
- Efficient at radiographic examination which includes taking indicated radiographs and being able to interpret them
- Reach a reasonable treatment plan following proper history taking and clinical examination
- Apply evidence-based treatment planning and act upon the legal and ethical responsibilities involved in protecting and promoting the health of individual patients.
- Formulate a preventive plan according to the needs of their patients
- Efficient at providing the following preventive measures:
 - a. Fissure sealant application on permanent teeth
 - b. Fluoride varnish application
 - c. Oral hygiene instructions
 - d. Dietary advice
- Understand the procedure of pulpotomy and pulpectomy of primary teeth and know the materials involved
- Efficient at providing the following to pediatric patients:
 - a. Local anesthesia with correct selection of technique and needle
 - b. Restorations of primary and young permanent teeth with proper selection of restorative material based on each clinical situation
 - c. Extractions of primary teeth
- Understand the process of space maintainer construction recognizing the indications and contraindications
- Have the knowledge of basic behavior management techniques as well as when to refer for more advanced behavior management techniques.
- Know when and how to raise concerns when patients are at risk

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference

21. Teaching Methods and Assignments:

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

Students will attend a 3-hour session every other week. Students are allowed to bring more than 1 patient every clinic.

22. Evaluation Methods and Course Requirements:

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

Every student is expected to complete at least 1 long clinical case by the end of the second semester. These cases should have a variety of treatment needs including: preventive measures, restorative treatment, pulpotomies, extractions and space maintainers.

The requirements that the student is expected to be exposed to are:

Procedure	Number	Weight	Number *Weight	Quality	
				A+ (100%) B (70%) D (30%)	A (90%) C (50%) F (10%)
History, radiographic examination, and treatment plan (complete patient file)	3	2	6	A+ (2) B (1.4) D (0.6)	A (1.8) C (1.0) F(0.2)
Pulp therapy (pulpotomy -pulpectomy and SSC)	1	4	4	A+ (4) B (2.8) D (1.2)	A (3.6) C (2.0) F(0.4)
Restoration of a vital primary tooth (class I, II, III, V) composite, GI, or SSC.	8	2	16	A+ (2) B (1.4) D (0.6)	A (1.8) C (1.0) F(0.2)
Restoration of a vital permanent tooth	4	2	8	A+ (2) B (1.4) D (0.6)	A (1.8) C (1.0) F(0.2)
Space maintainer	1	2	2	A+ (2) B (1.4) D (0.6)	A (1.8) C (1.0) F(0.2)
Extraction	7	1	7	A+ (1) B (0.7) D (0.3)	A (0.9) C (0.5) F(0.1)
Fissure sealant	10	1	10	A+ (1) B (0.7) D (0.3)	A (0.9) C (0.5) F(0.1)
Polishing and Fluoride varnish application	2	1	2	A+ (1) B (0.7) D (0.3)	A (0.9) C (0.5) F(0.1)
Emergency procedure/other/extra work	2	1	2	A+ (1) B (0.7) D (0.3)	A (0.9) C (0.5) F(0.1)
Comprehensive case presentation (Presentation of all treatment provided for a paediatric patient (5-10 years) including preventive, restorative and surgical work)	1	3	3	A+ (3) B (2.1) D (0.9)	A (2.7) C (1.5) F(0.3)
Total (maximum)			60		

Minimum requirements (30 points)

To include at least:

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- 5 primary tooth restorations
- 2 permanent tooth restorations
- 5 extractions
- 6 Fissure sealants
- 2 polishing and fluoride varnish application

Competencies:

- 1- History, radiographic examination, and treatment planning
- 2- Restoration of vital primary teeth
- 3- Local Anesthesia and extraction
- 4- Fissure sealant
- 5- Oral hygiene instructions and dietary advice

1- History, radiographic examination, and treatment plan.

Students should have seen a minimum of 4 patients before they ask for the competency

2- Primary tooth restoration.

Students should have performed a minimum of 3 restorations and got Bs in at least 2 of them before they ask for the competency. The competency is given for a posterior tooth restoration

3- Fissure sealant.

Students should have performed 3 fissure sealants and got Bs in at least 2 of them before they ask for the competency. The competency should be on a molar not a premolar

4- Local Anesthesia.

Students should have successfully anesthetized 3 teeth for extraction before they ask for the competency. LA competency is given only for anesthesia prior to extractions.

5- Extractions.

Students should have extracted 3 teeth and got Bs in at least 2 of them before they ask for the competency. The competency will not be given for simple extractions.

6- Oral hygiene instructions and diet advice.

Students should have seen 4 patients and given them OHI and dietary advice before they ask for the competency. The competency is given only if students discuss the diet sheet with their patients and/or parents and give advice based on patients' needs. Students should also demonstrate proper oral hygiene and give advice suitable to their patients.

- The system will be based on the evaluation of the quantity as well as the quality of the work.

The grading system is based on:

Grade	Description
A+ (100%)	Exceptional, outstanding and excellent performance without assistance. Achieved by a minimum number of students .
A (90%)	Student performed clinical task with <u>high</u> standard with <u>minimal</u> assistance.
B (70%)	Student performed clinical task with <u>good</u> standard with <u>limited</u> assistance.
C (50%)	Student performed clinical task with <u>acceptable</u> standard with <u>considerable</u> assistance.
D (30%)	Student <u>did not</u> perform clinical task to an acceptable standard with <u>considerable</u> assistance.
F (10%)	An outright fail

▪ **Mark distribution for the course:**

- Clinical Requirements (60 points)
- Final Exam, Clinical (20 Points) 'The exam will include the treatment of a clinical case or a station based OSCE exam or both'
- Final Exam, Oral (20 points)

Minimum requirements (30 points)

To include at least:

- 2 History, examination, and treatment planning
- 4 primary tooth restorations
- 2 permanent tooth restorations
- 5 extractions
- 6 Fissure sealants
- 2 polishing and fluoride varnish application

Competencies: Students are expected to be competent at the following:

1. History, radiographic examination, and treatment planning
2. Restoration of vital primary teeth
3. Local Anesthesia and extraction
4. Fissure sealant
5. Oral hygiene instructions and dietary advice

23. Course Policies:

A- Attendance policies: students are expected to attend clinics and be present on time.

B- Absences from exams and handing in assignments on time: will follow faculty regulations

- C- Health and safety procedures: will follow faculty regulations
- D- Honesty policy regarding cheating, plagiarism, misbehavior: will follow faculty regulations. A student will be given a violation if any of the regulations is breached.
- E- Grading policy: The system will be based on the evaluation of the quantity as well as the quality of the work.
- F- Available university services that support achievement in the course: well-equipped dental clinics

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

Basic examination set containing: a mirror, explorer, tweezers, and a spoon excavator.
Restorative set
Plastic instrument for composite
Dappen dish
Cement spatula and a glass slab (~10X15 cm)
Burs: (and autoclavable bur holder)
Cavity preparation burs:
White stone for composite finishing.
Needle bur for SSC preparation
A big plastic bowl for alginate and a mixing spatula.
Pediatric impression trays for space maintainers

25. References:

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

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:

- Handbook of Pediatric Dentistry. Angus C. Cameron and Richard P. Widmer. Mosby. 5th edition, 2018.
- Dentistry for the child and adolescent. Ralph E. McDonald, David R. Avery. St. Louis, Toronto, London. C.V. Company. 9th edition. 2010.
- Pediatric Dentistry: Infancy Through Adolescence. Pinkham JR. W.B. Saunders Company. Philadelphia, London. 5th edition. 2013.
- Selected articles from the following journals:
 - 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:

Name of Course Coordinator: Dr. Rawan ElKarmi Signature: ----- Date:20/9/2022

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

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

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

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