

1	Course title	Pediatric dentistry & periodontal interface
2	Course number	1303776
3	Credit hours (theory, practical)	2 – Theory
	Contact hours (theory, practical)	28
4	Prerequisites/corequisites	None
5	Program title	MSc in Pediatric Dentistry
6	Program code	
7	Awarding institution	University of Jordan
8	School	School of Dentistry
9	Department	Oral & Maxillofacial Surgery, Oral Medicine & Periodontology
10	Level of course	
11	Year of study and semester (s)	
12	Final Qualification	MSc
13	Other department (s) involved in teaching the course	
14	Language of Instruction	English
15	Date of production/revision	7/6/2018

16. Course Coordinator:

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Office Hours: Sunday 8-10 am

17. Other instructors:

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18. Course Description:

This course will educate the postgraduate into the aspects of periodontal disease related to pediatric dentistry and their treatment. Topics covered will include gingival hyperplasia and surgical techniques of management and severe periodontal disease and its management. The relevance of gingival status and levels of esthetic and restorative decisions in young adolescent patient are discussed.

19. Course aims and outcomes:**A- Aims:**

This course aims to provide the students with a review of the basics of periodontology, the different periodontal diseases and conditions that can be encountered in the pediatric patient, the pathogenesis of the periodontal diseases and the basics of their epidemiology and risk factors. In addition, the course aims to provide the students with the required knowledge for proper treatment planning and decision making in periodontally involved pediatric patients. Moreover, emphasis will be made on special considerations in the management of pediatric patients and different aspects of periodontal interventions related to children and adolescents.

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to

- 1. Understand the anatomy of the periodontium and the function of periodontal tissues and relate them to the practice of pediatric dentistry.**
- 2. Develop a wide range of background knowledge and understanding of the basic and pre-disposing factors of Periodontal Diseases in children and adolescents and their management.**
- 3. Understand the prognosis and risk assessment concepts in relation to the treatment planning of pediatric patients.**
- 4. Understand the formation and development of periodontal tissues in deciduous and permanent dentitions.**
- 5. Relate patient's treatment needs to his/her periodontal status and formulate the appropriate treatment plan accordingly.**
- 6. Understand and appreciate the treatment of Periodontal Disease in relation to mixed dentition, and the impact of pediatric dentistry on Periodontium.**
- 7. Evaluate cases requiring referral for specialized periodontal treatment and communicate with the periodontist regarding the proper treatment planning for periodontally compromised patients.**
- 8. Develop a knowledge of the scope of periodontal surgery in children and adolescents and its implication in the global treatment plan.**
- 9. Understand and appreciate the role of periodontal surgery in the exposure of impacted teeth in children and adolescents in relation to orthodontic treatment.**
- 10. Acquire an appreciation and understanding of the literature related to periodontal - pediatric relations.**

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Structure & Function of the Periodontium	Week 1	Dr. Hamdan	1, 10	22 (1, 2)	25
Development of Periodontal Tissues	Week 2	Dr. Hamdan	4	22 (1, 2)	25
Classification & Epidemiology of PD (Periodontal Diseases)	Week 3	Dr. Hamdan	1, 2, 10	22 (1, 2)	25
Pathogenesis of PD	Week 4	Dr. Hamdan	1, 2, 10	22 (1, 2)	25
Microbiology of PD	Week 5	Dr. Hamdan	1, 2, 10	22 (1, 2)	25
Periodontal Medicine	Week 6	Dr. Hamdan	3, 6, 7, 10	22 (1, 2)	25
Gingivitis in Children and adolescents	Week 7	Dr. Hamdan	2, 3, 5, 6, 7, 10	22 (1, 2)	25
Periodontitis in children and adolescents	Week 8	Dr. Hamdan	2, 3, 5, 6, 7, 10	22 (1, 2)	25
Management of PD in Children and adolescents	Week 9	Dr. Hamdan	3, 5, 6, 7, 10	22 (1, 2)	25
Periodontitis as a manifestation of systemic diseases	Week 10	Dr. Hamdan	3, 5, 6, 7, 8, 10	22 (1, 2)	25
Role of Periodontal Surgery in pediatric dentistry	Week 11	Dr. Hamdan	4, 5, 6, 7, 8, 10	22 (1, 2)	25
Dental trauma from a periodontal perspective	Week 12	Dr. Hamdan	5, 6, 7, 10	22 (1, 2)	25
Exposure of impacted teeth	Week 13	Dr. Hamdan	9, 10	22 (1, 2)	25
Periodontal Plastic Surgery in children and adolescents	Week 14	Dr. Hamdan	4, 5, 6, 7, 8, 10	22 (1, 2)	25

21. Teaching Methods and Assignments:

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

- 1- **Seminars:** 14 two-hour seminars over first semester.
- 2- **Literature reviews:** students have to prepare a literature review on a subject of their selection that is related to periodontal – restorative relations.

22. Evaluation Methods and Course Requirements:***Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:***

- 1- **First exam (7th-8th week of first semester):** essays (30 points).
- 2- **Literature reviews + presentations:** (30 points).
- 3- **Final exam:** essays (40 points).

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:

Grading system follows the bylaws and regulations of the University.

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....)

None

25. References:

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

- 1- Clinical Periodontology (Hardcover). Eleventh edition, by Michael Newman, Henry Takei, Fermin A. Carranza.
- 2- Clinical Periodontology & Implant Dentistry. Sixth or Seventh edition, by Jan Lindhe, Niklaus Lang, Thorkild Karring.
- 3- Periodontics: Medicine, Surgery & Implants. First edition, by Louis Rose, Brian Mealy, Robert Genco.
- 4- Supplemental reading material to be provided by the seminar supervisor prior to the seminar date. The reading material is composed of up-to-date literature.

Recommended books, materials, and media:

Some supplemental material will be provided by lecturers.

26. Additional information:**Expected workload:**

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

Name of Course Coordinator: -----Signature: ----- Date: -----

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

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

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

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