

1	Course title	Interceptive Orthodontics
2	Course number	1303772
3	Credit hours (theory, practical)	One credit hour (theory)
	Contact hours (theory, practical)	One hour /week
4	Prerequisites/corequisites	None
5	Program title	Master of Science in Paediatric Dentistry
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	Master
11	Year of study and semester (s)	First year, first semester
12	Final Qualification	MSc
13	Other department (s) involved in teaching the course	Conservative Dentistry Faculty of Medicine
14	Language of Instruction	English
15	Date of production/revision	11/ October/2018

16. Course Coordinator:

Prof.Zaid Al-Bitar
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17. Other instructors:

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18. Course Description:

Emphasis is placed on cephalometrics, diagnosis and treatment planning, and the evaluation of the normal and abnormal conditions in the primary, early mixed, and late mixed dentitions. The course

also aims to provide the postgraduate with the knowledge to identify and appropriately manage or refer a patient for orthodontic assessment. Cases are discussed to familiarize the student with clinical aspects and techniques of interception. The student will be required to attend the orthodontic clinics.

19. Course aims and outcomes:

A- Aims:

- To provide students with the academic knowledge to enable them to assess the needs and to provide appropriate treatment for pediatric patients with orthodontic problems.
- To provide students with the academic knowledge to enable them to assess the needs and to refer patients with orthodontic problems at the right time.

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

1. Understand development of normal occlusion and transition from primary to mixed to permanent dentition
2. Be familiar with all interceptive procedures and appliances
3. Be able to determine patients at risk of developing future orthodontic problems and intervene or refer when necessary
4. Employ and choose interceptive treatment of choice according to patients' needs
5. Read and understand related literature
6. Be able to diagnose canine impaction early and intervene as necessary
7. Be able to diagnose skeletal discrepancies early and employ growth modification when necessary
8. Be able to apply the knowledge gained through the theoretical part of this course into the clinical part resulting in successful patient management or referral when needed

20. Topic Outline and Schedule:

Week	Title	Lecturer	Achieved ILOs	Evaluation Methods	Reference
1	Introduction to interceptive treatment	Dr. Zaid	1-8	Mid-term and final exam	25
3	Cephalometrics and facial esthetic 1	Dr. Abdulrahman	1-8	Mid-term and final exam	25
4	Development of the occlusion	Dr. Maryam	1-8	Mid-term and final exam	25
5	Aetiology and early treatment of A-P skeletal problems 1. Class II	Dr. Serene	1-8	Mid- term and final exam	25

6	Aetiology and early treatment of A-P skeletal problems 1. Class III	Dr. Serene	1-8	Mid- term and final exam	25
7	Anterior and Posterior cross bite management	Prof. Ahmad	1-8	Mid- term and final exam	25
8	Cause and correction of deleterious oral habits	Dr. Zaid	1-8	Mid- term and final exam	25
9	Management of space problems in the developing occlusion	Prof. Ahmad	1-8	Final exam	25
10	Mid term exam		1-8	Final exam	25
11	Interceptive treatment of eruption problems	Dr. Maryam	1-8	Final exam	25
12	Interceptive treatment of anomalies in the size and shapes of teeth	Dr. Maryam	1-8	Final exam	25
13	Interceptive treatment of anomalies in tooth numbers	Dr. Abdulrahman	1-8	Final exam	25
14	Teasing and psychological aspects of malocclusion	Dr. Iyad	1-8	Final exam	25
15	Cleft lip and palate 1 Multidisciplinary approach to cleft lip and palate management	Dr. Iyad	1-8	Final exam	25
16	Cleft lip and palate 2	Dr. Iyad	1-8	Final exam	25

21. Teaching Methods and Assignments:

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

- 1- 1 seminar per week of 2 hours duration which students will prepare based on their search for the most relevant and related literature.
- 2- Practical Sessions: 3 clinics per week each of 3 hours duration

22. Evaluation Methods and Course Requirements:

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

- Each student will prepare and present a number of seminars which they will be assessed on
- Clinical Requirements will carry a weight of 60%. Final exam will carry a weight of 40%
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23. Course Policies:

A- Attendance policies:

Seminar and clinic attendance is obligatory. 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 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.

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.

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 special

25. References:

Suggested text book:

- **An Introduction to Orthodontics.** L. Mitchell, N.E. Carter (2013) 4th edition. . Oxford University Press.

Also recommended:

- **A Textbook of Orthodontics.** W.J.B. Houston, C.D. Stephens and W.J. Tulley (1992), 2nd Edition. Wright, Butterworth-Heinemann Ltd.
- **Contemporary Orthodontics.** W.R. Proffit (2013) 5th edition. Mosby Year Book.
- **Orthodontics at a Glance,** D. Gill (2008). Wiley-Blackwell.

Important note: Orthodontic staff might provide additional reading materials from journals or other textbooks related to specific session(s).

26. Additional information:

Name of Course Coordinator:**Prof. Zaid Al-Bitar**Signature: ----- Date: -----

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

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

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

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