

1	Course title	Orthodontics Theory-2
2	Course number	1303573
3	Credit hours (theory, practical)	1 credit hour
	Contact hours (theory, practical)	16 contact hours
4	Prerequisites/corequisites	1303473
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	Paediatric Dentistry, Orthodontics and Preventive Dentistry
10	Level of course	Bachelor
11	Year of study and semester (s)	5th year - First semesters
12	Final Qualification	DDS
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	Sept. 2019

16. Course Coordinator:

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17. Other instructors:

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18. Course Description:

- Theoretical course focused on the assessment, diagnosis and treatment planning of orthodontic problems**

19. Course aims and outcomes:

2. A- Aims:
<ul style="list-style-type: none"> • Endorsing the theoretical knowledge of students
<ul style="list-style-type: none"> • Achieving a thorough understanding of interceptive orthodontic measures that could be dealt with by general dental practitioners.
<ul style="list-style-type: none"> • Understanding the various types and features of malocclusions encountered in orthodontics
<ul style="list-style-type: none"> • Accomplish proper treatment methods for malocclusions normally encountered in orthodontics
<ul style="list-style-type: none"> • Constitute proper appliance design for respective malocclusions.
<ul style="list-style-type: none"> • Providing detailed description and guidelines to orthodontic topics relevant to future clinical practice
<ul style="list-style-type: none"> • Understand the basics of the aetiology and the management of unerupted maxillary permanent canines
<ul style="list-style-type: none"> • Appreciating the importance of stability after orthodontic treatment and learning the various methods of retention
<ul style="list-style-type: none"> • Understand principles of interdisciplinary treatment including cases which involve orthodontic-restorative and orthodontic-periodontal management
<ul style="list-style-type: none"> • Understanding the proper orthodontic management of cleft lip and palate patients.
<ul style="list-style-type: none"> • Introducing orthodontic aspects of orthognathic surgery
<ul style="list-style-type: none"> • Understand the main benefits and risks of orthodontic treatment
3. B-Intended Learning Outcomes (ILO's):upon successful completion of this course, students will be able to ...
<ul style="list-style-type: none"> • Obtain knowledge of the features and aetiology of the various types of malocclusions.
<ul style="list-style-type: none"> • Demonstrate knowledge of the different aspects of treatment of each type of malocclusions.
<ul style="list-style-type: none"> • Recognize and evaluate the main benefits and risks of orthodontic treatment
<ul style="list-style-type: none"> • Acquire a sound clinical judgment of orthodontic problems.
<ul style="list-style-type: none"> • Diagnose and manage emergencies related to orthodontic patients
<ul style="list-style-type: none"> • Demonstrate a thorough knowledge of the basics of orthodontics
<ul style="list-style-type: none"> • Implement the theoretical knowledge with the clinical decisions

- Process letters of referral, to prioritize appointments, and liaise with orthodontists.
- Differentiate between simple cases and those which require referral to specialist
- Identify the orthodontic role in multi-disciplinary team.

20. Topic Outline and Schedule:

- Evaluation for each topic is explained in section 22
- References for each topic is mentioned in section 25

Lecture no.	Subject	Material covered	Achieved ILOs	
1-2	Class I malocclusions	<ul style="list-style-type: none"> • Incidence • Etiology • Skeletal, occlusal and soft tissues features 	<ul style="list-style-type: none"> • Treatment options • Assessment and diagnosis • Appliances • Treatment of open bite & crossbite • Stability and relapse 	1,2,3
3-4	Class II division 1 malocclusions	<ul style="list-style-type: none"> • Incidence • Etiology • Skeletal, occlusal and soft tissues features 	<ul style="list-style-type: none"> • Assessment and diagnosis • Treatment options • Appliances • Stability and relapse 	1,2,3,
5	Class II division 2 malocclusions	<ul style="list-style-type: none"> • Incidence • Etiology • Skeletal, occlusal and soft tissues features 	<ul style="list-style-type: none"> • Assessment and diagnosis • Treatment options • Appliances • Stability and relapse 	1,2,3,
6-7	Class III malocclusions	<ul style="list-style-type: none"> • Incidence • Etiology • Skeletal, occlusal and soft tissues features 	<ul style="list-style-type: none"> • Assessment and diagnosis • Treatment options • Appliances • Stability and relapse 	1,2,3,
8	Management of Unerupted maxillary canines	<ul style="list-style-type: none"> • Incidence • Etiology • Assessment and diagnosis 	<ul style="list-style-type: none"> • Treatment options <ul style="list-style-type: none"> ○ Surgical ○ Orthodontics ○ Others 	1,2,3
9	Retention and relapse	<ul style="list-style-type: none"> • Definition • Occlusal changes • Factors occlusal, dental, soft tissues, growth, 	<ul style="list-style-type: none"> • Duration • Type of retainers 	1,2

10	Interdisciplinary treatment: 1. Principles of orthodontic-restorative and orthodontic-periodontal treatment	<ul style="list-style-type: none"> Principles of the process interdisciplinary treatment Examples of cases which involves orthodontic-restorative 	Examples of cases which involves orthodontic-periodontal treatment	1,2,3
11	Interdisciplinary treatment: 2. Surgical Orthodontics	<ul style="list-style-type: none"> Assessment Indication Team work Planning Orthodontic preparation 	<ul style="list-style-type: none"> Surgical procedures Stability and relapse 	1,2,3
12	Interdisciplinary treatment: 3. Cleft lip and Palate	<ul style="list-style-type: none"> Definition & classification Etiology Dental Features & growth 	<ul style="list-style-type: none"> Management surgical & orthodontics Prognosis and Stability 	1,2,3
13	Risks and benefits orthodontic treatment-	<ul style="list-style-type: none"> Main risks and benefits of orthodontic treatment 	<ul style="list-style-type: none"> Prevention and treatment of complications related to orthodontic treatment. 	1,2
14	Selection of Orthodontic cases for treatment by GDP, emergencies in orthodontic clinics	<ul style="list-style-type: none"> Identifying cases that need to be referred for orthodontic specialists Timing of referral 	<ul style="list-style-type: none"> Writing proper referral letters Types of emergencies in orthodontic clinics Principles of dealing with emergencies. 	1,2,3,4

21. Teaching Methods and Assignments:

Duration: 16 weeks = 15 weeks teaching + 1 week exams

Lectures: 15 hours (1 lecture of 1 hour per week for 15 weeks)

4.

22. Evaluation Methods and Course Requirements:

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

1. **Midterm exam** (MCQs or essays) 40 points.

2. **Final Exam:** 60 points. MCQs or essays

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 10-15% 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:

None special

25. References:

Strongly recommended:

- **Handbook of Orthodontics**, M. Cobourne & A. Dibiase. (2010). Mosby

Suggested text book:

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

Name of Course Coordinator: Dr Iyad AlOmari

Signature:



Date: Sept. 2019

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

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

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

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