



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Dental Technology Department

TDEN346 Orthodontics (2) Practical - JNQF Level: 6

Second Semester 2020-2021

Course Catalog

2 Credit Hours. This course is for undergraduate third year students. This practical part is designed to provide the students with the sufficient knowledge and practical background relevant to technical and clinical aspects of the types of orthodontics appliances and the rationale of using the various orthodontic appliances. The practical part provides the students with the basic technical knowledge and manual skills necessary to fabricate various type of removable orthodontics appliances

Text Book

Title	Orthodontic Retainers and Removable Appliances, Butterworth-Heinemann, 2012
Author(s)	Luther, F; Nelson-Moon Z
Edition	1st Edition
Short Name	Reference 1
Other Information	Any supplemental material in the course website

Instructor

Name	Dr. Noor Al-Mortadi
Office Location	L2 -18
Office Hours	Sun : 08:00 - 09:00 Mon : 13:00 - 15:00 Tue : 13:00 - 15:00 Wed : 11:00 - 13:00
Email	naalmortadi@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Thu : 09:30 - 15:30

Room: HOSPITAL

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2	4 Adams clasps and screw fixation	From Reference 1
Weeks 3, 4	Nance space maintainer and TPA and Twist Flex	From Reference 1
Weeks 5, 6	LLHA space maintainer and acrylic application for expansion screw	From Reference 1
Weeks 7, 8	T-spring and Finishing of acrylic (Expansion screw)	From Reference 1
Weeks 9, 10	Band and Loop with soldering and finishing	From Reference 1
Weeks 11, 12	Quad helix appliance	From Reference 1
Weeks 13, 14	Catch up and Revision	From Reference 1

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Provide the students with a solid theoretical background related to the field of space maintainers, maxillary expansion and different appliances used to expand the maxillary arch [10L6K1, 7L6K2, 3L6C3]	20%	
Be able to recognize and understand the different types of functional orthodontic appliances, their components, their mode of action and their clinical management. [10L6K2, 5L6C4, 5L6C5]	20%	
Detailed knowledge of fixed orthodontic appliances: definition, components, indications, contraindication, bond-up [7L6K2, 3L6S1]	10%	
To provide training on the various laboratory steps involved in the fabrication of orthodontic appliances mainly the wire bending of the various components of an orthodontic appliance, the construction of the acrylic base plate and soldering to fixed bands. [10L6S3, 10L6C1, 10L6C2]	30%	
Develop the manual skills necessary for the construction of various components of removable, functional and fixed orthodontic appliances. [10L6C1, 10L6C2]	20%	

Relationship to NQF Outcomes (Out of 100%)

L6K1	L6K2	L6S1	L6S3	L6C1	L6C2	L6C3	L6C4	L6C5
10	24	3	10	20	20	3	5	5

Evaluation	
Assessment Tool	Weight
Continuous Assessment	70%
Final Exam	30%

Policy	
Statement on Professionalism	Professional behavior is expected of students at all times. Attitude and professional behavior are a minimum criterion for passing this class. Examples of unprofessional behavior include but are not limited to: missing classes, tardiness, lack of attention for a speaker, talking to others during lecture, leaving a lecture prior to its completion without prior authorization of the instructor, working on other class material during class, and sleeping during class.
Cheating	University regulations will be applied on cases of cheating and/or plagiarism
Cell phone	The use of cellular phone is prohibited in class rooms and during exams. The cellular phone must be switched off in class rooms and during exams.
Attendance	No points will be count for points attendance of this class, however attending the lectures will greatly enhance your grade. The student is responsible for any information discussed in lecture sessions. It is imperative to attend all classes!
Absences	University regulations will be applied. Students are not allowed to be absent for more than 20% of lectures for any reason or excuse. If a student exceeds the absence limit, he or she will not be allowed to sit for future course exams. (Please review university regulation for more details)
Make-up Exam	Make-up exams is entitled for students who miss the exam with accepted legal or medical excuse endorsed by the instructor within 24 hours after the scheduled exam (Please review university regulation for more details)
Feedback	Concerns, complaints, questions, and/or feedback are appreciated and will be important for the instructor. You can contact your instructor using the e-mail or during office hours

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