



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

TDEN441 Applied Orthodontics - JNQF Level: 6

First Semester 2023-2024

Course Catalog

2 Credit Hours. This is for an undergraduate fourth year course, 2 credit hours which are totally practical, it is designed to provide the students with: More practical hand-on training and experience in constructing removable orthodontic appliances. The students are work in a real-work environment and are encouraged to apply their previous know ledge to fabricate a different type of removable appliances All student cases are real patient cases done in collaboration with the dental students at the faculty of dentistry in the postgraduate dental teaching center at JUST.

Text Book

Title	Orthodontic removable appliances
Author(s)	Sandhya Shyam Lohakare (Talmale)
Edition	1st Edition
Short Name	Reference 1
Other Information	Wiley-Blackwell, 2008

Course References

Short name	Book name	Author(s)	Edition	Other Information
Reference 2	An Introduction to Orthodontics	Laura Mitchell	3rd Edition	University Press, 2007
Reference 3	An Introduction to Orthodontics	Laura Mitchell	2nd Edition	Oxford, University Press, 2001
Reference 4	The design, construction and uses of removable orthodontic appliances	C. Philip Adams; W. John S. Kerr	6th Edition	Butterworth-Heinemann, 1991
Reference 5	Removable Orthodontic Appliances	Isaacson K. G; Reed R. T; Muir J. D	1st Edition	Butterworth-Heinemann, 2002

Instructor

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Class Schedule & Room
<p>Section 1: Lecture Time: Tue : 09:30 - 13:30 Room: HOSPITAL</p> <p>Section 2: Lecture Time: Tue : 09:30 - 13:30 Room: HOSPITAL</p> <p>Section 3: Lecture Time: Tue : 09:30 - 13:30 Room: HOSPITAL</p>

Prerequisites		
Line Number	Course Name	Prerequisite Type
513440	TDEN344 Orthodontics (2)	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2	Z spring	From Reference 1 , From Reference 2 , From Reference 3 , From Reference 4 , From Reference 5
Weeks 3, 4	T spring	From Reference 1 , From Reference 2 , From Reference 3 , From Reference 4 , From Reference 5
Weeks 5, 6	Labial bow	From Reference 1 , From Reference 2 , From Reference 3 , From Reference 4 , From Reference 5
Weeks 7, 8	Roberts Retractor	From Reference 1 , From Reference 2 , From Reference 3 , From Reference 4 , From Reference 5
Weeks 9, 10	Adams clasps	From Reference 1 , From Reference 2 , From Reference 3 , From Reference 4 , From Reference 5
Weeks 11, 12	Acrylic Application	From Reference 1 , From Reference 2 , From Reference 3 , From Reference 4 , From Reference 5
Weeks 13, 14	Trimming of orthodontic casts	From Reference 1 , From Reference 2 , From Reference 3 , From Reference 4 , From Reference 5

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Construct commonly used removable orthodontic appliances [15PLO 3, 10PLO 4, 15PLO 6] [5L6K1, 10L6K2, 10L6S1, 10L6S3, 5L6C3]	40%	
Demonstrate ability to interpret dental laboratory prescriptions produced by the dental practitioner [5PLO 3, 10PLO 5, 5PLO 6, 5PLO 8] [5L6S2, 5L6S3, 10L6C1, 25L6C5]	20%	

Communicate with the dental practitioner and discuss any technical changes [10PLO 5, 10PLO 8] [10L6C1, 10L6C4]	20%	
Integrate and work with the dental team, especially fellow dental Technicians and dental practitioners, and demonstrate an awareness and understanding of safety in the Dental laboratory [5PLO 6, 5PLO 8, 10PLO 9]	20%	

Relationship to Program Student Outcomes (Out of 100%)									
PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10
		19	10	18	24		19	10	

Relationship to NQF Outcomes (Out of 100%)								
L6K1	L6K2	L6S1	L6S2	L6S3	L6C1	L6C3	L6C4	L6C5
5	10	10	2.22	12.22	14.44	5	10	11.11

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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