

Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Department of Applied Dental Sciences
First Semester
Course syllabus

Course Information	
Course Title	Applied Orthodontics
Course Code	TDEN441
Prerequisites	TDEN342
Course Website	
Instructor	Dr Elham Abu-.Alhaija
Office Location	Educational Dental Center.
Office Phone#	02-7278662, extension 272
Office Hours	Thursday 9-12 am
E-mail	elham@just.edu.jo
Teaching Assistant	Supervisors at the Dental Technology Lab.
Course Description	
This is an undergraduate 4th year students course, 2credit hours, which are totally practical. ,it is designed to provide the students with : . Totally practical course which will be held in the Dental Health Center. . The students gain more training and experience in constructing more removable orthodontic prostheses. . The students work in a real-work environment and are encouraged to apply their previous knowledge to fabricate the prostheses	

Text Book	
No theory	
Other References	1. K. G. Isaacson, R. T. Reed, J, Removable Orthodontic Appliances, Butterworth-Heinemann, 2002 year Edition 2. C.Philips Adam, John S.Keer, The design, construction and uses of removable orthodontic appliances, Butterworth-Heinemann, 1991, 6 th Edition.

Assessment		
Assessment	Expected Due Date	Percentage
First Exam (Double cantilever spring, Robert retractor)	6 th week	20%
Second Exam (Buccal canine retractor, Hawley retainer)	12 th week	20%
Final Exam (LLHA space maintainer, Maxillary rapid expansion appliance)	16th week	20%
Assignment	Continuous assessment(Anderson appliance, Twin-Block)	30%
Participation		0%
Attendance		10%

Course Objectives	Percentage
1- To produce dental technicians who can integrate and further develop technical knowledge and skills gained through the last three years of removable orthodontics appliances training.	80%
2- Stress on the importance of team work and communications with the dentist	20%

Teaching & Learning Methods
There will be a one lab for 6 hours weekly in Educational Dental Center. The students are required to construct the following type of removable orthodontics appliances: Double cantilever spring, Robert retractor Buccal canine retractor, Hawley retainer, LLHA space maintainer, Maxillary rapid expansion appliance, Anderson appliance, and Twin-Block appliance. . The steps required to complete each prosthesis were presented in the assessment forms. Each step will be given 10 marks and the average will be calculated at the end of the case. A number of criteria (as follow) should be considered while evaluating each step. Evaluation criteria: 1. The quality of the product: to be given 5 marks of 10. 2. The time needed to finish the work compared to other students: to be given 2 marks of 10. 3. Technician help needed and the student inability to make his/her own decisions regarding his work: to be given 3 marks of 10. 4. Any student fails to deliver the required work/prosthesis in the appointed date will be given (0) mark for that step.

Learning Outcomes: Upon successful completion of this course, students will be able to		
Related Objective(s)		Reference(s)
1	1. Construct commonly used removable orthodontics appliances.	No theory
1.2	2. Demonstrate ability to interpret dental laboratory prescriptions produced by the dental practitioner.	
1.2	3. Communicate with the dental practitioner and discuss any technical changes.	
1,2	4. Integrate and work with the dental team, specially fellow dental technicians and dental practitioners.	
1	5. Demonstrate an awareness and understanding of safety in the dental laboratory.	

Useful Resources
Website: http:// <u>Www.ada.org</u>

Course Content (Practical Requirements)
One Double cantilever spring
One Robert retractor
One Buccal canine retractor
One Hawley Retainer
One LLHA space maintainer
One Andresen Appliance
One Twin-block
One Rapid Maxillary Expansion appliance

Additional Notes
-Student is expected to attend 90% of the lectures and lab sessions and JUST policy requires the faculty member to assign ZERO grade (35) if a student misses 10% of the classes without an excuse -Sign in sheet will be distributed at the beginning of the lecture -Questions are welcome during lecture -Making any kind of disruption and (side-talks) will effect you negatively -Cheating during exam will result in dismissal from the exam hall and the student will be penalized according to JUST regulations