

Jordan University of Science and Technology Faculty of Dentistry Dental Surgery Department

DENT201 Dental Anatomy And Occlusion Lab

First Semester 2023-2024

Course Catalog

0 Credit Hours. The practical sessions of Dent 201 focus on reinforcing the details covered in the lectures by carving different teeth out of wax blocks. Practical sessions also focus on enhancing manual skills of 2nd year dental students in preparation to operative/conservative pre-clinical labs. The sessions also include practicing on dental notation, occlusion as well as skills of tooth identification.

Text Book				
Title	Title Dental Anatomy and Occlusion Lab Manual			
Author(s)	Melanie Alazzam, Ashraf Shaweesh			
Edition	n 1st Edition			
Short Name	Ref 1			
Other Information				

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref 2	Dental Anatomy Lab Videos	Melanie Alazzam, Mohammad Alazoubi, Mais Jarar	1st Edition	

Instructor			
Name	Dr. Melanie Alazzam		
Office Location	D1L0		
Office Hours			
Email	mfalazam@just.edu.jo		

Class Schedule & Room

Section 1:

Lecture Time: Sun : 08:30 - 12:30

Room: U

Section 2:

Lecture Time: Mon: 08:30 - 12:30

Room: U

Section 3:

Lecture Time: Tue: 08:30 - 12:30

Room: U

Section 4:

Lecture Time: Wed : 08:30 - 12:30 Room: U

Section 5:

Lecture Time: Thu: 08:30 - 12:30

Room: U

Tentative List of Topics Covered			
Weeks	Торіс	References	
Week 1	Dental Anatomy lab guidelines, introduction to wax up instruments, wax up exercise (cones, connecting cones)	From Ref 1 , From Ref 2	
Weeks 2, 3	Max Central Incisor Wax up	From Ref 1 , From Ref 2	
Weeks 4, 5	Max Canine Wax up	From Ref 1 , From Ref 2	
Weeks 6, 7, 8	Max First Premolar Wax up	From Ref 1 , From Ref 2	
Weeks 9, 10, 11	Max First Molar Wax Up	From Ref 1 , From Ref 2	

Weeks 12, 13	Mand First Molar Wax Up	From Ref 1,
		From Ref 2

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
List the instruments needed for the wax up technique.	2%	
Build cones, connect cones, draw outlines, fill shapes.	6%	
Describe the characteristic anatomic landmarks of the maxillary central incisor.	6%	
Describe the importance of having a proper proximal contact.	6%	
Explain the process of checking proper occlusal relationships between the max central incisor and the opposing tooth	7%	
Describe the characteristic anatomic landmarks of the maxillary canine.	6%	
Explain the process of checking proper occlusal relationships between the max canine and the opposing tooth.	7%	
Explain the process of checking proper occlusal relationships between the max canine and the opposing tooth.	7%	
Describe the characteristic anatomic landmarks of the maxillary first premolar.	6%	
Display the skill of building marginal ridges, triangular and transverse ridge, carving grooves.	7%	
Explain the process of checking proper occlusal relationships between the maxillary 1st premolar and the opposing tooth.	7%	
Describe the characteristic anatomic landmarks of the maxillary first molar.	6%	
Display the skill of building marginal ridges, triangular and transverse, oblique ridge, carving grooves and fossae.	7%	
Explain the process of checking proper occlusal relationships between the maxillary 1st molar and the opposing tooth.	7%	
Describe the characteristic anatomic landmarks of the mandibular first molar.	6%	
Explain the process of checking proper occlusal relationships between the mandibular 1st molar and the opposing tooth.	7%	

Relationship to Program Student Outcomes (Out of 1					
Knowledge Knowledge Knowledge Knowledge Knowledge Knowledge Ce	2.1 2.2 Person Centered Care Care	2.3 2.4 Person Centered Care Care	ed Communication,	3.2 Responsibility, Communication, Professionalism and Ethics	3.3 Responsibility Communicatic Professionalis and Ethics

Evaluation			
Assessment Tool	Weight		
Lab Quizzes	15%		
Wax Up Tasks	50%		
Drawing, Labeling, Measured Drawing	35%		

Lab Related Practical training will take place in Prosthodontics preclinical labs (D1-L3) and Orthodontics preclinical lab. Students are divided into 5 practical sections according to the table below General Info (Instruments. Section Day/Time Lab Materials 1 Sun 8:30 am-12:30 pm D1- L3 Location. 2 Mon 8:30 am-12:30 pm D1- L3 Time) 3 Tue 8:30 am-12:30 pm D1-L3 4 Wed 8:30 am-12:30 pm D1-L3 5 Thu 8:30 am-12:30 pm D1-L3 As noted, during the practical training, students of a given section will be divided into groups, each group will be occupying a pre-determined bench in the lab and instructed to remain At the beginning of each lab, students should provide their homework for that session. This will be followed by introducing students to the practical duties they have to carry out in that s Tracing radiographs and estimating dental age Sketching tooth models, jaw models and occlusion curves Waxing up different teeth. Answering given questions / quizzes Making comments after video clip watching. Identifying teeth Tools and materials needed for the practical component: 1. Dental anatomy workbook and the Wax up Manual. Both are found at الجمنية Book Shop?. The workbook and manual will be distributed by the class representative based on a prev permanent teeth, the student should draw the tooth from all aspects. The third part contains wax up notes and guidelines. Students are required to do their drawing and labeling homework in advance of their drawing session and do the wax up homework before their in class wax up session (applicable af 2. Wax up instruments (refer to wax up manual): Label each instrument with your name and serial number. 3. Set of prepared teeth (refer to wax up manual). 4. Soft or hard Jaw (all sound teeth are present). Label with your name and serial number. 5. Articulating paper. Label with your name and serial number 6. Alcohol torch, Label with your name and serial number. 7. Paint brush, Label with your name and serial number. 8. Inlay casting wax. Intense orange cuplet. Each student is responsible to keep his/her bench clean, leaving your bench dirty will result in mark deduction. Important Note: All students should wear their lab coats before entering the lab. Tie his/her hair if long and not covered. NO student will be allowed to enter the lab if he/she does not we Cheating Prohibited; In case of cheating the student will be subjected to punishment according to university regulations. Please refer to university regulations to understand the penalties implem According to university regulations students are required to attend all lectures and lab sessions. However, if extremely unexpected circumstances prevent the student from attending, s Attendance http://www.just.edu.jo/aboutjust/RegulationsTemp/42%20%D9%86%D8%B8%D8%A7%D9%85%20%D9%85%D9%86%D8%AD%20%D8%A7%D9%84%D8%AF%D8%B1%D86 Participation Participation is highly encouraged during lectures and lab sessions. Students MUST respect lab supervisors and abide by their instructions. Relationships with lab supervisors must remain formal as long as the student is registered in the course. If any Student-Lab http://www.just.edu.jo/aboutjust/RegulationsTemp/38%20%D9%86%D8%B8%D8%B7%D9%85%20%D8%AA%D8%A3%D8%AF%D9%8A%D8%A8%20%D8%A7%D9%84%D8 Supervisor Relationship Reporting Any student who faces a problem or a difficulty in this course, MUST report this to the course coordinator as soon as possible so that issues can be solved or followed up. The student Problems

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Course

Withdrawal

2nd year dental students are NOT allowed to withdraw from the course. 1st year dental students can withdraw from the course with refund till a specified date (check university calenda