



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

ADS203 Dental Morphology & Occlusion Practical - JNQF Level: 7

First Semester 2023-2024

Course Catalog

2 Credit Hours. This course is provided by the Department Applied Dental Sciences for undergraduate 2nd year students in the Bachelor Degree in Dental Technology and Allied Dental Sciences during the first semester. It represents the practical component of the ADS 201 Course and focuses in developing students' skills in carving different teeth out of wax blocks. Students start each lab by drawing the assigned tooth from all aspects and identifying the anatomical landmarks that should be duplicated at the carving stage using large study models. This practice is assumed to help students recalling the details of tooth morphology they learn from lectures and improving their manual skills. This is significant to have been developed before upgrading to 3rd year as many courses require a good knowledge on dental anatomy and good carving skills. The practical sessions also include practicing on dental numbering systems and skills of tooth identification. By the completion of the practical sessions, each student has to hand in for assessment the laboratory book containing the completed duties that they have been asked to execute.

Teaching Method: On Campus

Text Book

Title	Wheeler's Dental Anatomy, Physiology and Occlusion
Author(s)	Stanley J. Nelson
Edition	10th Edition
Short Name	Ref 1
Other Information	

Instructor

Name	Dr. Noor Nawafleh
Office Location	Faculty of Applied Medical Sciences/Second Floor
Office Hours	Sun : 08:30 - 10:30 Sun : 14:30 - 15:00 Mon : 15:30 - 16:00 Wed : 11:30 - 12:30 Thu : 08:00 - 10:00
Email	nanawafleh@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Mon : 08:30 - 11:30 Room: LAB Section 2: Lecture Time: Wed : 08:30 - 11:30 Room: LAB

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction, Orientation and Drawing	
Week 2	Carving: Permanent Maxillary Central Incisor	
Week 3	Carving: Permanent Maxillary Central Incisor	
Week 4	Carving: Permanent Maxillary Canine	
Week 5	Carving: Permanent Maxillary Canine and Practicing tooth Identification	
Week 6	Carving: Permanent Maxillary First Premolar	
Week 7	Carving: Permanent Maxillary First Molar	
Week 8	Carving: Permanent Maxillary First Molar	
Week 9	Carving: Permanent Mandibular First Molar	
Week 10	Tooth Identification	
Week 11	Tooth Identification	
Week 12	Tooth Identification	
Week 13	Catch-up lab	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
To Identify all tooth surfaces including facial, lingual, mesial, distal, and occlusal surface and to define the anatomical parts of the teeth such as cingulum, ridges and fossae [5PLO 1, 5PLO 2] [10L7K1]	10%	
To describe each tooth including all anatomical landmarks that distinguishes each single tooth [5PLO 1, 5PLO 2] [10L7K1]	10%	
Name each tooth using different notation systems [5PLO 2, 5PLO 8] [10L7S1]	10%	
Identify each single tooth (permanent or deciduous, maxillary or mandibular, right or left) when given a group of extracted teeth [10PLO 1] [10L7C1, 20L7C4]	30%	

Reproduce in carving the morphology of permanent teeth maxillary and mandibular central & lateral incisors, canines, 1st & 2nd premolars, and 1st molars. This training should give students the ability to carve every single tooth [20PLO 1, 10PLO 6] [20L7C1, 10L7C2, 10L7C4]	40%	
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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
66.67	15				13.33		5		

Relationship to NQF Outcomes (Out of 100%)				
L7K1	L7S1	L7C1	L7C2	L7C4
20	10	30	10	30

Evaluation	
Assessment Tool	Weight
Continuous Assessment	60%
Final exam	40%

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. University regulations will be applied on cases of cheating and/or plagiarism
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! 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)

Requirements	<p>1. Drawing homework assignments: students are required to draw all the permanent teeth on the drawing notebook and submit them on the assigned due dates (Please See Lab Planner). Student who fails to submit the drawing homework assignments on the assigned due dates will be penalized by grade deduction from the drawing notebook grade (one grade will be deducted each time the assignment is not submitted).</p> <p>2. Carving assignments: each student is required to carve on wax the following teeth & submit the carved teeth</p> <p>3. By the end of the assigned labs dates (please see the lab planner). Teeth that are required to be carved:</p> <ol style="list-style-type: none"> a. Permanent maxillary central incisor b. Permanent maxillary canine c. Permanent maxillary first premolar d. Permanent maxillary first molar
Lab Policies	<ul style="list-style-type: none"> - Students are required to attend course labs with their lab coats, nametags, wax blocks, pencil, pen, ruler, drawing notebook, wax knife, lecron carver, small box, measurement sheet, & a small tooth brush. - Each student should leave the lab clean. - No foods, drinks, gum are allowed. - No lab work should be completed outside lab or taken into home for any reason. All lab work should be submitted to the teaching assistants by the end of the lab. - DO NOT leave lab without permission from the course coordinator or the Teaching Assistants.

Date Printed: 2024-02-12