



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

ADS201 Dental Morphology & Occlusion

First Semester 2023-2024

Course Catalog

1 Credit Hours. This is a blended course combines on-site classroom teaching with an online learning component. Students will be divided into two groups. Each week, one group should attend a face-to-face lecture while the other group should attend online lecture. Therefore, all lectures will be recorded and posted to students online. In addition to recorded lectures, online activities such as MS team meetings and discussion forms will be arranged. This course is designed to provide the undergraduate dental technology students with the basic theoretical knowledge about the macroscopic anatomy of human teeth and the basic principles of dental occlusion. The teeth are studied individually and collectively in terms of shape, function and relation to each other. A comprehensive understanding of the material of this course is achieved through a detailed description of all surfaces of each tooth along with the comparisons between similar teeth. This course enables students to apply the macroscopic dental anatomy necessary for the practice of dental technology. Knowledge and understanding of the material in this course will also help students to appreciate the significance of the detailed anatomy of each single tooth and how to duplicate it in wax, which is crucial for many courses in the third and fourth year, especially, Fixed Dental Prosthesis courses. This course is connected to ADS 203, which represent the practical component required to develop the students' skills in carving different teeth out of wax blocks. The practical sessions also include practicing on dental numbering systems and skills of tooth identification.

Teaching Method: Blended

Text Book

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

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref 2	Dental Anatomy, histology and development	Bhalajhi, S.I.	1st Edition	

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

Instructor	
Name	Miss Suhair Obeidat
Office Location	AMS 2nd floor
Office Hours	Sun : 13:30 - 15:30 Mon : 12:00 - 13:00 Wed : 12:30 - 13:30 Thu : 12:00 - 14:00
Email	saobeidat@just.edu.jo

Class Schedule & Room
<p>Section 1: Lecture Time: Mon : 11:30 - 12:30 Room: N4206</p> <p>Section 2: Lecture Time: Sun : 12:30 - 13:30 Room: N1303</p>

Prerequisites		
Line Number	Course Name	Prerequisite Type
521020	ADS102 Introduction To Dental Sciences & Dental Terminology	Pre./Con.

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Orientation into the course syllabus	
Week 2	Introduction and nomenclature (? Structure and tissues of teeth, ? Basic landmarks in teeth, ? Tooth numbering Systems (Nomenclature))	CH 1 From Ref. 1
Week 3	Permanent maxillary incisors	CH 6 From Ref. 1
Week 4	Permanent mandibular incisors	CH7 From Ref. 1

Week 5	Permanent maxillary and mandibular canines	CH8 From Ref. 1
Week 6	Permanent Maxillary premolars	CH9 From Ref. 1
Week 7	Midterm Examination	
Week 8	Permanent mandibular premolars	CH 10 From Ref. 1
Week 9	Permanent maxillary first molar	CH 11 From Ref. 1
Week 10	Permanent mandibular first molar	CH 12 From Ref. 1
Week 11	Permanent maxillary second and third molars	CH 12 From Ref. 1
Week 12	Permanent mandibular second and third molars	CH 12 From Ref. 1
Week 13	Primary teeth, Physiology and occlusion	CH 3 From Ref. 1

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Appreciate having two sets of dentitions in most mammals and to relate form to function in dental anatomy	10%	
Know the different dental notation systems for both dentitions	10%	
Know the detailed anatomy of all deciduous and permanent teeth	30%	
Know the different traits used to tell different teeth apart leading to developing skills of tooth identification.	15%	
Know the different tooth surfaces and the external anatomical features and landmarks on teeth and their functions	10%	
Given a set of extracted teeth, identify each tooth with the correct universal number, whether it is maxillary or mandibular, right or left, and its specific name	25%	

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

Evaluation	
Assessment Tool	Weight
Midterm Exam	50%

Final Exam	50%
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Policy	
Exams	Students are required to sit for the 2 semester examinations (Midterm and final exams)
Cheating	Cheating the commitment of the Acts of Cheating and deceit such as copying during examinations is dishonest and will not be tolerated; JUST policy will be applied.
Attendance	Student attendance and responsibility: Lateness more than 10 minutes is considered as an unexcused absence. JUST POLICY will be applied regarding absences.
Course Announcements	Course related announcements will be available on the E-learning website (It?s the student?s responsibility to keep checking the website)
Feedback	Concerns or complaints should be expressed in the first instance to the course instructor. If no resolution is forthcoming, then the issue should be brought to the attention of the Department Chair and if still unresolved to the Dean. Questions about the material covered in the lecture, notes on the content of the course, its teaching and assessment methods can be also sent by e-mail.

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