



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

DENT355 Oral Pathology (1)

First Semester 2023-2024

Course Catalog

3 Credit Hours. The aim of this course is to provide 3rd dental students with a basic knowledge of the clinical, histopathologic, and radiographic presentations (when applicable) of important diseases of the oral and maxillofacial regions, in addition to their pathogenesis. The course covers developmental defects, non-carious abnormalities of teeth, pulpal and periapical disease, selected periodontal diseases, bacterial, fungal, protozoal and viral infections, physical and chemical injuries, allergies and immunologic diseases, and dermatologic diseases. Each topic will have a practical session following completion of its lectures. The practical session is in the form of PowerPoint presented clinical, radiographic and/or histopathologic images of cases. The students are encouraged and asked randomly to discuss each case and give a differential diagnosis. This knowledge is expected to prepare them for clinical dentistry courses in their 4th and 5th years. The course is complemented by Dent 356 Oral and Maxillofacial Pathology 2.

Text Book

Title	Oral and Maxillofacial Pathology
Author(s)	Neville et al.
Edition	4th Edition
Short Name	Ref no. 1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref no. 2	Cawson's Essentials of Oral Pathology and Oral Medicine	Odell	9th Edition	
Ref no. 3	Soames' & Southam's Oral Pathology	Robinson et al.	5th Edition	

Instructor

Name	Prof. Huda Hammad
Office Location	Dental Teaching Clinics-JUST Phone 23969
Office Hours	
Email	hmhammad@just.edu.jo

Class Schedule & Room

Section 1:
 Lecture Time: Tue : 08:30 - 09:30
 Room: مدرج الفاروق

Section 2:
 Lecture Time: Tue : 09:30 - 10:30
 Room: مدرج الفاروق

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction to Oral Pathology	From Ref no. 2 , From Ref no. 3
Week 1	Clinical Presentation of Disease	From Ref no. 1
Weeks 2, 3	Developmental Defects of the Oral and Maxillofacial Region	From Ref no. 1
Weeks 3, 4, 5	Abnormalities of Teeth	From Ref no. 1
Weeks 5, 6	Pulpal and Periapical Disease	From Ref no. 1
Week 7	Selected Periodontal Diseases	From Ref no. 1
Week 7	Bacterial Infections	From Ref no. 1
Week 9	Fungal and Protozoal Diseases	From Ref no. 1
Week 10	Viral Infections	From Ref no. 1
Weeks 11, 12	Physical and Chemical Injuries	From Ref no. 1
Weeks 12, 13	Allergies and Immunologic Diseases	From Ref no. 1

Weeks 13, 14	Dermatologic Diseases	From Ref no. 1
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Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
To define oral and maxillofacial pathology. To describe the scope of the science of oral and maxillofacial pathology and its role in diagnosis of oral diseases. To briefly recall the steps in preparing tissue biopsy for microscopy	4%	
To define some terms used in description of clinical and radiographic presentation of disease. To differentiate between terms used for similar processes.	4%	
To recognize and describe the clinical, radiographic, and histopathologic features, if applicable, of developmental changes of the oral and maxillofacial region, and of non-odontogenic developmental cysts of the head and neck. To recognize and describe the clinical, radiographic, and histopathologic features, if applicable, of non-odontogenic developmental cysts of the head and neck. To recognize and describe the clinical and radiographic features, of Crouzon syndrome and Treacher-Collins syndrome as examples of syndromes affecting the head and neck area. To summarize the etiology, pathogenesis, treatment and prognosis, if applicable, of the above-mentioned changes.	11%	
To recognize and describe the clinical, radiographic, and histopathologic features, if applicable, of: A) Environmental alterations of teeth: a. Environmental effects on tooth structure development. b. Post-developmental non-carious loss of tooth structure. c. Environmental discoloration of teeth d. Localized disturbances in eruption. B) Developmental alterations of teeth: a. In number. b. In size. c. In shape. d. In structure. To summarize the etiology, pathogenesis, treatment and prognosis, if applicable, of the above-mentioned alterations.	15%	
To recognize and describe the clinical, radiographic, and histopathologic features, if applicable, of pulpitis variants, pulp necrosis, pulpal calcifications, periapical granuloma, periapical cyst, periapical abscess, cellulitis, osteomyelitis and osteitis variants. To summarize the etiology, pathogenesis, treatment and prognosis, if applicable, of the above-mentioned processes.	11%	
To recognize and describe the clinical, radiographic, and histopathologic features, if applicable, of selected diseases affecting periodontal tissues. To summarize the etiology, pathogenesis, treatment and prognosis, if applicable, of the above-mentioned processes.	4%	
To recognize and describe the clinical, radiographic, and histopathologic features, if applicable, of important bacterial infections affecting the oral and maxillofacial region. To summarize the etiology, pathogenesis, treatment and prognosis, if applicable, of the above-mentioned processes.	4%	
To recognize and describe the clinical, radiographic, and histopathologic features, if applicable, of important fungal and protozoal infections affecting the oral and maxillofacial region. To summarize the etiology, pathogenesis, treatment and prognosis, if applicable, of the above-mentioned processes.	8%	
To recognize and describe the clinical and histopathologic features, if applicable, of important viral infections affecting the oral and maxillofacial region. To summarize the etiology, pathogenesis, treatment and prognosis, if applicable, of the above-mentioned processes.	8%	
To recognize and describe the clinical, radiographic, and histopathologic features, if applicable, of physical and chemical injuries of the oral and maxillofacial region. To summarize the etiology, pathogenesis, treatment and prognosis, if applicable, of the above-mentioned processes.	11%	
To recognize and describe the clinical and histopathologic features, if applicable, of the most important allergies and immunologic diseases affecting the oral cavity. To summarize the etiology, pathogenesis, treatment and prognosis, if applicable, of the above-mentioned processes.	8%	
To recognize and describe the clinical and histopathologic features, if applicable, of the most important dermatologic diseases affecting the oral cavity. To summarize the etiology, pathogenesis, treatment, and prognosis, if applicable, of the above-mentioned processes.	12%	

Relationship to Program														
1.	1.	1.	1.	1.	2.	2.	2.	2.	2.	2.	2.	2.	3.	3.
Knowledge	Knowledge	Knowledge	Knowledge	Knowledge	Cognitive:	Cognitive	Cognitive	Cognitive	Cognitive	Cognitive	Cognitive	Cognitive	Psychomotor/manual	Psychomotor/mani

Evaluation	
Assessment Tool	Weight
Midterm Exam	45%
Quizzes	5%
Final Exam	50%

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