



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

DENT370 Periodontology I - JNQF Level: 7
Second Semester 2022-2023

Course Catalog
2 Credit Hours. This course is the first theoretical and first preclinical course of the periodontology field for dental students. In the theoretical part, the scope of periodontology, components of periodontium, primary etiological factors, risk factors, epidemiology and clinical aspects of disease diagnosis will be introduced. Regarding the preclinical lab part, principles of cross infection control rules, examination, charting, instrument identification and their use and oral hygiene instructions will be emphasized.

Text Book	
Title	Carranza's Clinical Periodontology
Author(s)	Michael G Newman, Henri H. Takei and Fermin A. Carranza
Edition	12th Edition
Short Name	Carranza
Other Information	Saunders 2011

Course References

Short name	Book name	Author(s)	Edition	Other Information
Lindhe	Clinical Periodontology and Implant Dentistry	Lindhe, Lang, Karing	6th Edition	Wiley-Blackwel - 2015

Instructor	
Name	Dr. Reem Abdel-Hafez
Office Location	Postgraduate Dental Building, JUST
Office Hours	
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Class Schedule & Room
Section 1: Lecture Time: Tue : 09:30 - 10:30 Room: NG76

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction to the course and to periodontology	Chapter 1 From Carranza
Week 2	Anatomy and physiology of the periodontium (Gingiva)	Chapter 1 From Carranza
Week 3	Anatomy and physiology of the periodontium (PDL)	Chapter 1 From Carranza
Week 4	Anatomy and physiology of the periodontium (Cementum)	Chapter 1 From Carranza
Week 5	Anatomy and physiology of the periodontium (Alveolar bone))	Chapter 1 From Carranza
Week 6	Periodontal Examination and Periodontal Indices 1	Chapter 29 and 30 From Carranza
Week 7	Periodontal Examination and Periodontal Indices 2	Chapters: 29,30,31 From Carranza
Week 8	Periodontal Instruments	Chapters 46 and 47 From Carranza
Week 9	Etiology of periodontal diseases - Periodontal microbiology and Plaque	Chapters 5 & 8 From Carranza
Week 10	Plaque Control for Periodontal Patients and Oral Hygiene instructions.	Chapter 45 From Carranza
Week 11	Etiology of periodontal diseases -(Calculus and other local factors)	Chapter 7 From Carranza
Week 12	Influence of systemic conditions on periodontal health	Chapter 11 From Carranza
Week 13	Influence of periodontal diseases on systemic health	Chapter 12 From Carranza

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Have an understanding of the scope of periodontology [11.7 Scientific Knowledge and Cognitive Skills] [1L7K1]	11%	

Understand the anatomy and physiology of periodontium [11.2 Scientific Knowledge and Cognitive Skills] [1L7K1]	11%	
Understand the classification of periodontal diseases and conditions [11.2 Scientific Knowledge and Cognitive Skills] [1L7K1]	11%	
Understand the effect of local and systemic factors and their contribution to periodontal diseases [15.1 Health Promotion and Community Oral Health] [1L7K1]	11%	
Have an understanding of periodontal indices and their application in determining the diagnosis [11.7 Scientific Knowledge and Cognitive Skills] [1L7K1]	11%	
Identify the different types of periodontal instruments and learn the rules of correct application of each on [11.4 Scientific Knowledge and Cognitive Skills] [1L7K1]	11%	
Have an appreciation of the importance of oral hygiene measures and patient education [11.7 Scientific Knowledge and Cognitive Skills] [1L7K1]	11%	
Have an understanding of role of periodontal diseases as a risk factor for system [11.7 Scientific Knowledge and Cognitive Skills] [1L7K1]	11%	
Master the required skills and applications of instruments, and materials used in prevention and treatment of periodontal diseases [12.2 Person-Centred Care] [1L7S1, 1L7S3]	12%	

Relationship to Program Student Outcomes (Out of 100%)													
1.1 Scientific Knowledge and Cognitive Skills	1.2 Scientific Knowledge and Cognitive Skills	1.3 Scientific Knowledge and Cognitive Skills	1.4 Scientific Knowledge and Cognitive Skills	1.5 Scientific Knowledge and Cognitive Skills	1.6 Scientific Knowledge and Cognitive Skills	1.7 Scientific Knowledge and Cognitive Skills	2.1 Person-Centred Care	2.2 Person-Centred Care	2.3 Person-Centred Care	2.4 Person-Centred Care	3.1 Responsibility, Communication, Professionalism and Ethics	3.2 Responsibility, Communication, Professionalism and Ethics	3.3 Responsibility, Communication, Professionalism and Ethics
	22		11			44		12					

Relationship to NQF Outcomes (Out of 100%)		
L7K1	L7S1	L7S3
88	6	6

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