

Course Description Form

1. Course Name:	
Periodontics	
2. Course Code: ZUDE0501	
3. Semester / Year:	
Annual	
4. Description Preparation Date:	
2025-2026	
5. Available Attendance Forms:	
Weekly	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 hours (Theoretical) + 60 hours (Practical). (one theoretical hour and two practical hours week)	
7. Course administrator's name (mention all, if more than one name)	
Name:israa hadi hashem Email: israa.hadi@alzahu.edu.iq	
8. Course Objectives	
Course Objectives	Develop a comprehensive understanding of advanced periodontal concepts, including etiology, pathogenesis, and clinical manifestations of periodontal and peri-implant diseases. evaluate cases and design appropriate preventive, non-surgical, and surgical interventions. understand the indications, contraindications, and outcomes of periodontal surgeries.
9. Teaching and Learning Strategies	
Strategy	Use PowerPoint presentations to explain complex concepts like the pathogenesis of periodontitis or surgical techniques. Incorporate clinical photographs, radiographs to enhance understanding of periodontal disease processes and treatment outcomes. Use clinic time for discussions, problem-solving, and Q&A sessions.
10.Course structure	

Week	Hours	Subject name	Required learning outputs	Learning method	Assessment method
1	1	Periodontal examination and diagnosis Overall appraisal of the patient	Medical history Dental history: Chief complaint	Power Point	Quiz
2	1	Bone loss and patterns of bone destruction	Bone destruction caused by the extension of gingival inflammation: Histopathology Rate of bone loss	Power Point	Quiz
3	1	Advanced diagnosis	Normal interdental bone Radiographic techniques Bone Loss: Amount Distribution	Power Point	Quiz
4	1	Advanced diagnosis	Objectives of diagnosis Advances in periodontal probing Generations of periodontal probes:	Power Point	Quiz
5	1	Periodontal response to external forces	Occlusion Assessment of occlusion Adaptive capacity of the periodontium to occlusal forces	Power Point	Quiz
6	1	Immunology	Innate immunity	Power Point	Quiz
7	1	Immunology	Adaptive immunity	Power Point	Quiz
8	1	Tooth mobility	Physiologic mobility Pathologic mobility	Power Point	Quiz
9	1	Epidemiology of periodontal diseases	Measuring the occurrence of conditions or diseases: Prevalence Risk	Power Point	Quiz
10	1	Determination of prognosis	Definitions Types of prognosis	Power Point	Quiz

11	1	Interrelationships of periodontal disease and therapy with other dental disciplines	Restorative interrelationships Biologic considerations: Margin placement and	Power Point	Quiz
12	1	Periodontal surgery. General	principles Rationale for periodontal surgery Indications Contraindication	Power Point	Quiz
13	1	Sonic and ultrasonic instrumentation and irrigation	Power-driven instruments:	Power Point	Quiz
14	1	Gingivectomy and local excision	Gingivectomy	Power Point	Quiz
15	1	Flap surgery	Objectives, indication, and contraindications	Power Point	Quiz
16	1	Mucogingival and aesthetic surgery	Techniques to increase attached gingiva: Gingival augmentation apical to recession:	Power Point	Quiz
17	1	Furcation: involvement and treatment	Anatomy of furcation area Root complex	Power Point	Quiz
18	1	Laser therapy	Laser physics and biologic interactions	Power Point	Quiz
19	1	Locally delivered, controlled-release antimicrobials	Objectives	Power Point	Quiz
20	1	Management of medically compromised patients	Cardiovascular diseases: Hypertension Angina pectoris	Power Point	Quiz
21	1	Management of medically compromised patients	Endocrine/metabolic disorders: Diabetes mellitus	Power Point	Quiz
22	1	Gingival crevicular fluid (GCF)	Introduction Permeability of junctional and sulcular epithelia	Power Point	Quiz

			Function		
23	1	Dentin hypersensitivity	Introduction Epidemiology Etiology	Power Point	Quiz
24	1	Tissue regeneration. General principles	Periodontal Wound Healing Wound healing: Outcomes and definitions	Power Point	Quiz
25	1	Regenerative periodontal therapy	Regenerative capacity of bone cells	Power Point	Quiz
26	1	Reconstructive surgical techniques:	Non- bone graft associated new attachment:	Power Point	Quiz
27	1	Advanced regenerative approaches	Enamel matrix Derivatives Acellular dermal matrix	Power Point	Quiz
28	1	Oral implantology	Peri-implant anatomy and Peri-implant diseases natural tooth	Power Point	Quiz
29	1	Oral implantology	Implant-related complications and failure	Power Point	Quiz
30	1	Oral implantology	Supportive implant treatment	Power Point	Quiz

11. Course Evaluation

15 marks: mid-year exam

25 marks: Annual quest

60 marks: final year exam

12. Learning and Teaching Resources

Stage	Subject	References
5 th	Periodontics	1- Clinical Periodontology and Implant Dentistry, Seventh Edition, Niklaus P. Lang and Jan Lindhe, 2022 2- Newman and Carranza's Clinical Periodontology, Thirteen Edition, 2019

