

Themes and bibliography for bachelor degree 2025-2026

Themes

1. Structures of Teeth (1)
2. Etiology of Dental Caries (1)
3. Histological Aspects of Dental Caries (1)
4. Diagnosis of Dental Caries. Diagnosis of non-carious lesions (1)
5. Fundamentals of Tooth Preparation (1)
6. Clinical Technique for Direct Restorations (1)
7. Dental Biomaterials (1)
8. Pathogenesis of Pulp and Periapical Diseases (2)
9. Endodontic Diagnosis (2)
10. Cleaning and Shaping (2)
11. Obturation and Temporization (2)
12. Procedural Accidents (2)
13. Alignment and Occlusion of the Dentition (32)
14. Mechanics of Mandibular Movement (3)
15. Etiology and Identification of Functional Disturbances in the Masticatory System (3)
16. Signs and Symptoms of Temporomandibular Disorders (3)
17. General Considerations in Occlusal Therapy (3)
18. Use of Articulators in Occlusal Therapy (3)
19. Terminology (4)
20. Principles of tooth preparation (4)
21. Instrumentation used for tooth preparation, for fixed restorations (4)
22. Treatment planning for single tooth restorations (4)
23. Treatment planning for replacement of missing teeth (4)
24. Preparations for full veneer crowns (4)
25. Preparations for partial veneer crowns (4)
26. Pontics and edentulous ridges (4)
27. Impressions (4)
28. Cementation (4)
29. Partially Edentulous Epidemiology, Physiology, and Terminology (5)
30. Classification of Partially Edentulous Arches (5)
31. Major and Minor Connectors (5)
32. Direct Retainers (5)
33. Principles of Removable Partial Denture Design (5)
34. Diagnosis and Treatment Planning (5)
35. The total edentulous state - biomechanical support mechanisms for complete denture (6)
36. The total edentulous state: Maxillary and mandibular substitutes for the denture bearing area (6)
37. The total edentulous state: preliminary impression; final impression: maxillary and mandibular border molding, posterior palatal seal (6)
38. The total edentulous state: recording jaw relations - level or height of the occlusal plane; establishing the desired vertical dimension of occlusion; the preliminary centric relation record (6).

39. The total edentulous state: the try-in appointment; speech considerations with complete dentures (6)
40. The total edentulous state: implant overdentures; prosthodontics protocol (6)
41. Anatomy, Structure, and Function of the Periodontium (7)
42. Etiopathology of Periodontal Disease (7)
43. Impact of Periodontal Infection on Systemic Health (7)
44. Periodontal Diagnosis (7)
45. Gingival pathology (7)
46. Periodontal pathology (7)
47. Periodontal Treatment (7)
48. Eruption dates of teeth. Development of primary teeth. Development of permanent teeth (8)
49. Dental caries. Factors influencing the caries process (8)
50. Early childhood caries. Clinical management of early childhood caries (8)
51. Detection and diagnosis of dental caries in children (8)
52. Restorative materials used in paediatric dentistry (8)
53. Management of occlusal caries in permanent teeth (8)
54. Pulp therapy for primary and immature permanent teeth (8)
55. Trauma management. Fractures of primary incisors. Crown and root fractures of permanent incisors. Luxations in the permanent dentition. (8)
56. Congenitally Missing Teeth. (9)
57. Malformed and Supernumerary Teeth. (9)
58. Impacted teeth (9)
59. Re-impacted teeth (9)
60. Dental ectopy (9)
61. Transposition (9)
62. Diastema (9)
63. Maxillary compression (transversal discrepancies) (9)
64. Deep bite (class II division 2) (9)
65. Open bite syndrome (9)
66. Progenic syndrome (class III) (9)
67. Anesthetic substances used in dentistry (10)
68. Techniques used in local anesthesia (10)
69. Accidents and complications of local anesthesia in dentistry (10)
70. Extraction of teeth – principles (11)
71. Complication of tooth extraction (11)
72. Complex tooth extractions: open surgical technique (12)
73. The most common complications in oral surgery: prevention and management (12)
74. Indications for Removal of Impacted Third Molars (13)
75. Surgery and Perioperative Care for Impacted Third Molars (13)
76. Surgical protocol for the extraction of impacted maxillary canines (12)
77. Flap Design (Periapical Surgery) (11)
78. Surgery of the oral frenula and minor preprosthetic surgery (12)
79. Treatment of surgical infections in the oro-facial region (11)
80. Ludwig's Angina (11)
81. Osteomyelitis (11)

82. Dental cysts (11)
83. Soft tissue cysts (11)
84. Management of mandibular trauma (11)
85. Management of middle face trauma (11)
86. Principles of treatment in facial trauma (11)
87. Complications of fractures (11)
88. Oral precancer (11)
89. Oral cancer (11)
90. Minor salivary gland pathology (11)
91. Major salivary gland pathology (11)
92. Temporomandibular disorders (11)

Bibliography

1. AV Ritter, LW Boushell, R Walter, Sturdevant's Art and Science of Operative Dentistry, 7th Ed., Elsevier, 2019
2. M Torabinejad, AF Fouad, S Shabahang, Endodontics Principles and Practice, 6th Ed., Elsevier, 2020
3. JP Okeson, Management of Temporo- Mandibular Disorders and Occlusion, 8th Ed., Elsevier, 2019
(http://www.neoncursos.com.br/wpcontent/uploads/2019/08/Management_of_Temporomandibular_Disorders-and-Occlusion-Okeson-2020.pdf)
4. TH Schillingburg, Fundamental of Fixed Prosthodontics, 4th Ed., Quintessence Publishing Co, 2012
5. AB Carr, DT Brown, McCracken's Removable Partial Prosthodontics, 12th Ed., Elsevier, 2011
6. AG Zarb, J Hobkirk, S Eckert, R Jacob, Prosthetic treatment for edentulous patients Complete dentures and implant-supported prostheses, 13th Ed., Elsevier /Mosby, 2013
7. MG Newman, H Takei, PR Klokkevold, FA Carranza, Newman and Carranza's Clinical Periodontology, 13th Ed., Elsevier Health Sciences, 2018
8. AC Cameron, PW Richard, Handbook of Paediatric Dentistry, 5th Ed., Elsevier, 2021
9. WR Proffit, Contemporary Orthodontics, 6th Ed., Elsevier, 2018
10. SF Malamed, Handbook of Local Anesthesia, 7th Edition, Elsevier, 2020
11. JR. Hupp, MR Tucker, E Ellis, Contemporary Oral and Maxillofacial Surgery, 7th Edition, Elsevier, 2018
12. M Chiapasco, Manual Of Oral Surgery, 3rd Edition, Edra S.p.A., 2018
13. M Miloro, GE Ghali, PE Larsen, P Waite, Peterson's Principles of Oral and Maxillofacial Surgery, 4th Edition, Springer, 2022