



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Anesthesia and Pain Control
Course Number: DHY225

Required Materials

Textbook(s): Bassett, K., DiMarco, A., & Naughton, D. (2022). *Local Anesthesia for Dental Professionals* (2nd ed.). Pearson Education, Inc.

Required Readings: See weekly calendar below

Additional Materials: Course material which can be accessed through the Learning Management System.

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
Week 1	Reading assignment (Bassett) Ch.1- Perspectives of Local Anesthesia for Dental Professionals: Ch.2- Fundamentals of Pain Management: Ch.3- Neuroanatomy and Neurophysiology of Pain Control: Ch. 9- Local Anesthetic Delivery Devices: Appendix 3-1- Events in a Successful Nerve Impulse Generation Lab: Syringe setup
Week 2	OBSERVED HOLIDAY- NO CLASS
Week 3	Reading assignment (Bassett) Ch.4- Pharmacology Basics: Ch.5- Dental Local Anesthetic Drugs: Ch.6- Vasoconstrictors in Dentistry: Ch.7- Dose Calculations for Local Anesthetic Solutions: Appendix 5:1-6- Summary of Dental Local Anesthetic Drugs: Appendix 7:1-3- Local Anesthetic Solutions- Dose Calculations and Facts Lab: Sryinge
Week 4	Reading assignment (Bassett) Ch.8- Topical Anesthetics: Appendix 8-1-4.1, 4.2- Topical Anesthetics Drug Facts Lab: Oraqix
Week 5	Reading assignment (Bassett) Ch.10- Patient Assessment for Local Anesthesia: Ch.11- Fundamentals for Administration of Local Anesthetic Agents: Ch.17- Local Anesthesia Complications and Management: Ch.18- Insights for Fearful Patients: Ch.19- Insights for Pediatric Dentistry: Ch. 20- Insights from Specialties: Oral Surgery, Periodontics, and Endodontics: Appendix 10-1-6- Patient Assessment: 11-1,2- Basic Steps in the Administration of Local Anesthesia, and Fulcrum Positions
Week 6	Reading assignment (Bassett) Ch.12- Injections for Maxillary Pain Control I: Appendix 12-1,2- Summary of Maxillary Injections and Field of Anesthesia Midterm

Week	Chapter/Topic/Lab
Week 7	Lab: Maxillary injections
Week 8	Reading assignment (Bassett) Ch.13- Injections for Maxillary Pain control II: Appendix 13-1,2- Summary of Palatal Injections and Field of Anesthesia Lab: Maxillary injections
Week 9	Lab: Maxillary injections
Week 10	Reading assignment (Bassett) Ch.14- Injections for Mandibular Pain Control: Ch.15- Supplemental Techniques and Adjunctive Strategies: Appendix 14-1,2- Summary of Mandibular Injections and Field of Anesthesia Lab: Mandibular injections
Week 11	Lab: Mandubular injections
Week 12	Lab: Maxillary and Mandibular injections
Week 13	Reading assignment (Bassett) Ch.21- Fundamentals for the Administration of Nitrous Oxide- Oxygen Sedation: Appendix 21-1-5-Nitrous Oxide
Week 14	Lab: Nitrous Oxide
Week 15	Reading assignment (Bassett) Ch.16- Troubleshooting Inadequate Anesthesia
Week 16	Final Exam