

DENTAL ASSISTING

Part A: Program Overview

(Texas Version – 27 Lesson 01/2019)

TABLE OF CONTENTS

Course Description	A3
Course Objectives	A3
Course Materials	A4
Expectations for the Student	A4
Teaching Methods Employed	A4
Evaluation and Grade Determination	A4
Course in Review	A5
Detailed Lesson Plans	A11

DENTAL ASSISTING PROGRAM - COURSE DESCRIPTION

Dental assistants work primarily in dental offices and other healthcare settings. Americans are placing a great importance on better oral health care. The dental sciences have responded with better oral health care products and stronger, longer lasting restorative materials. With the increase in demand for better oral health, dentists need highly skilled employees who excel at technical procedures while possessing excellent people skills.

This program prepares students to function effectively within the dental field. It covers important background information on the dental profession as well as interpersonal skills, dental ethics and Practice Act laws, dental terminology, patient interactions, dental records management, and basic finance-related skills.

COURSE OBJECTIVES

Upon completing this course, you will be able to:

- Function effectively in many dental administrative and clerical positions
- Describe the roles of a professional dental assistant
- Manage health information and records according to privacy policies
- Identify the many dental instruments and their use
- Describe how to perform many dental assisting procedures
- Complete basic billing and coding to process insurance forms
- Manage practice finances
- Assist the dental office in the event of an emergency

COURSE MATERIALS

Title: *Pearson's Comprehensive Dental Assisting*

Author: Lori Tyler

Title: *Student Workbook for Pearson's Comprehensive Dental Assisting*

Author: Lori Tyler

EXPECTATIONS FOR THE STUDENT

1. Students are expected to arrive for class on time
2. Absent students must contact their instructor prior to class time
3. Absent students will be expected to make up missed class work/assignments on their own time
4. Students will follow the rules and regulations of the facility
5. No student shall disrupt a class or interfere with the session or the learning or the other students
6. The Instructor will be the student's contact for all academic questions or concerns
7. Cell phones and pagers are to be turned off or to the vibrator mode while in class
8. Any student participating in any act of academic dishonesty, such as cheating, plagiarism, or collusion will be considered for dismissal from the program. Once dismissed, no condition of re-entrance will be considered.

TEACHING METHODS EMPLOYED

Lecture, class discussion, group discussions, role-playing, critical thinking exercises, and application activities related to the pharmacy. This course also includes hands on instruction in a variety of modalities.

EVALUATION AND GRADE DETERMINATION

Student performance will be evaluated utilizing the following analysis:

- Attendance and class participation (50%)
- Quizzes (25%)
- Final Exam (25%)

It is vital that each student recognize that this class is a **pass/fail** class with **no** exceptions.

COURSE IN REVIEW

LESSON #1: The History of Dentistry, The Dental Team, & Dental Ethics and Law

A12

Textbook Reading: Chapter #1 (pp. 1-10), Chapter #2 (11-20), and Chapter #3 (21-30)

Slides: 1-13 (Pages #1 to #3)

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #1, # 2, and #3.*

LESSON #2: General Anatomy and Physiology, & Head and Neck Anatomy

A13

Textbook Reading: Chapter #4 (pp. 31-71), and Chapter #5 (pp. 72-92)

Slides: 14-21 (Pages #3 to #4)

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #4 and #5.*

LESSON #3: The Face and Oral Cavity, & Oral Embryology and Histology

A14

Textbook Reading: Chapter #6 (pp. 93-102), Chapter #7 (pp. 103-114)

Slides: 22-31 (Pages #4 to #6)

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #6, and #7.*

LESSON #4: Tooth Morphology, Dental Charting, Oral Pathology, & Microbiology

A15

Textbook Reading: Chapter #8 (pp. 115-127), Chapter #9 (pp. 128-142), Chapter #10 (143-164), and Chapter #11 (pp. 165-174)

Lab: #1: Tooth Identification and Dentition

Slides: 32-46 (Pages #6 to #8)

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #8, #9, #10, and #11.*

LESSON #5: Dental Disease & Infection Control, Dental Caries, Periodontal Disease, Oral Health, & Oral Nutrition

A16

- Textbook Reading: Chapter #12 (pp. 175-202), Chapter #13 (pp. 203-212), Chapter #14 (pp. 213-222), Chapter #15 (pp. 223-239), and Chapter #16 (pp. 240-251)
- Lab: #2: Instruction on Tooth Brushing and Flossing
- Handout: #1: Tooth Brushing Methods & Flossing Techniques
- Slides: 47-63 (Pages #9 to #11)
- Quiz (Start of Class): Dental Assisting Quiz #1: Chapters 1-11
- Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #12, #13, #14, #15 and #16.*

LESSON #6: Instrument Processing and Sterilization, Occupational Health and Safety, & Dental Unit Waterlines

A17

- Textbook Reading: Chapter #17 (pp. 252-270), Chapter #18 (pp. 271-281), and Chapter #19 (pp. 282-289)
- Lab: #3: Instruction on Handwashing
- Handout: #2: Handwashing Prior to Gloving, Prepare and Autoclave Instruments, Performing Treatment Room Cleaning and Disinfection, Operating the Ultrasonic Cleaner
- Slides: 64-98 (Pages #11 to #17)
- Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #17, #18, and #19.*

LESSON #7: The Dental Office, Examination and Care Planning, Caring for the Dental Patient, & Obtaining Vital Signs

A18

- Textbook Reading: Chapter #20 (pp. 290-304), Chapter #21 (pp. 305-327), Chapter #22 (pp. 328-342), and Chapter #23 (pp. 343-354)
- Lab: #4: Obtain a Blood Pressure Reading
- Handouts: #3: Obtain a Blood Pressure Reading
#4: HIPAA Training: An Introduction to Patient Confidentiality and Privacy Under HIPAA
- Slides: 99-123 (Pages #17 to #21)
- Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #20, #21, #22 and #23.*

LESSON #8: Dental Instruments & Ergonomics**A19**

Textbook Reading: Chapter #24 (pp. 355-377), and Chapter #25 (pp. 378-388)

Slides: 124-152 (Pages #21 to #26)

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #24 and #25.*

LESSON #9 (Lab Only) : Instruction on Identifying Equipment & Handling and Transfer of Instruments**A20**

Lab: #5: Instruction on Identifying Equipment
#6: Handling and Transfer of Instruments

Handout: #5: Transferring Instruments Using a Single-Handed Technique & The Identification and Attachment of Handpieces

LESSON #10: Moisture Control**A21**

Textbook Reading: Chapter #26 (pp. 389-412)

Slides: 153-164 (Pages #26 to #28)

Quiz (Start of Class): Dental Assisting Quiz #2: Chapters 12-25

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapter #26.*

LESSON #11: Pharmacology, & Anesthesia and Pain Control**A22**

Textbook Reading: Chapter #27 (pp. 413-420), and Chapter #28 (pp. 421-441)

Handout: #6: Positioning the High Volume Evacuator for a Procedure, Dental Dam Placement, & Preparing and Assisting in the Administration of Local Anesthesia

Slides: 165-174 (Pages #28 to #29)

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #27 and #28.*

LESSON #12: Dental Radiography & Dental Film and Processing of Radiographs**A23**

Textbook Reading: Chapter #29 (pp. 442-455) and Chapter #30 (pp. 456-472)

Handout: #7: Radiography Handout, slides 1-107 (Pages #1 to #18)

Slides: 175-188 (Pages #30 to #32)

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #29 and #30.*

LESSON #13: Intraoral Radiographic Procedures**A24**

Textbook Reading: Chapter #31 (pp. 473-505)

Handout: #7: Radiography Handout, slides 108-214 (Pages #18 to #36)

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapter #31.*

LESSON #14: Extraoral and Digital Radiographic Procedures**A25**

Textbook Reading: Chapter #32 (pp. 506-518)

Slides: 189-195 (Pages #32 to #33)

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapter #32.*

LESSON #15: Restorative and Esthetic Dental Materials, Dental Liners, Bases, and Bonding Systems, & Dental Cements**A26**

Textbook Reading: Chapter #33 (pp. 519-536), Chapter #34 (pp. 537-549), and Chapter #35 (pp. 550-560)

Handout: #8: Mixing and Transferring of Amalgam & Mixing Zinc Phosphate for a Permanent Cementation

Slides: 196-210 (Pages #33 to #35)

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #33, #34, and #35.*

LESSON #16: Impression Materials, Laboratory Materials and Procedures, General Dentistry, & Matrix Systems for Restorative Dentistry**A27**

Textbook Reading: Chapter #36 (pp. 561-577), Chapter #37 (pp. 578-595), Chapter #38 (pp. 596-613), and Chapter #39 (pp. 614-625)

Slides: 211-223 (Pages #36 to #38)

Quiz (Start of Class): Dental Assisting Quiz #3: Chapters 26-35

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #36, #37, #38, and #39.*

LESSON #17 (Lab Only) : Tooth Identification and Dentition and Instrument Transfer Practice, Mixing of Dental Materials and Taking Impressions **A28**

Lab:	#7: Mixing of Dental Materials and Taking Impressions
Handout:	#9: The Mixing of Alginate, & Taking of Preliminary Impressions, & Loading the Mandibular Impression Tray #10: Separating the Cast from the Impression, & Pouring Dental Models Using the Inverted Pour Method #11: Constructing a Vacuum-Formed Tray, Placement of an Intermediate Restoration, & Assemble and Place the Matrix Band and Universal Retainer

LESSON #18: Fixed Prosthodontics, Provisional Coverage, Removable Prosthodontics, & Dental Implants **A29**

Textbook Reading:	Chapter #40 (pp. 626-642), Chapter #41 (pp. 643-656), Chapter #42 (pp. 657-666), and Chapter #43 (pp. 667-675)
Handout:	#12: Placement and Removal of Retraction Cord, Fabrication of a Custom Acrylic Provisional Crown, & Suture Removal
Slides:	224-239 (Pages #38 to #40)
Homework:	<i>Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #40, #41, #42, and #43.</i>

LESSON #19: Endodontic Procedures, Periodontal Procedures, & Oral Surgery Procedures **A30**

Textbook Reading:	Chapter #44 (pp. 676-698), Chapter #45 (pp. 699-716), and Chapter #46 (pp. 717-746)
Slides:	240-250 (Pages #40 to #42)
Quiz (Start of Class):	Dental Assisting Quiz #4: Chapters 36-43
Homework:	<i>Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #44, #45 and #46.</i>

LESSON #20: Pediatric Dentistry, Coronal Polishing, Dental Sealants, & Orthodontic **A31**

Textbook Reading:	Chapter #47 (pp. 747-762), Chapter #48 (pp. 763-772), Chapter #49 (pp. 773-779), and Chapter #50 (pp. 780-806)
Lab:	Discussion ONLY: Dental Sealants
Handout:	#13: Application of Dental Sealants
Slides:	251-260 (Pages #42 to #44)
Homework:	<i>Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #47, #48, #49, and #50.</i>

LESSON #21: Assisting in Emergency Care, Communication Techniques, Practice Management Procedures, Financial Management, Dental Insurance, & Marketing Your Skills **A32**

Textbook Reading: Chapter #51 (pp. 807-825), Chapter #52 (pp. 826-844), Chapter #53 (pp. 845-862), Chapter #54 (pp. 863-883), Chapter #55 (pp. 884-901), and Chapter #56 (pp. 902-916)

Slides: 261-282 (Pages #44 to #47)

Quiz (Start of Class): Dental Assisting Quiz #5: Chapters 44-50

Homework: *Student Workbook for Pearson's Comprehensive Dental Assisting*: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #51, #52, #53, #54, #55, and #56.

LESSON #22: CPR Class (8 Hours) **A33**

LESSON #23: Review for Jurisprudence **A34-35**

LESSON #24: Review for Infection Control **A36**

LESSON #25: Review for Radiology Exam **A37**

LESSON #26: Review for Radiology Exam **A38**

LESSON #27: Final Exam **A39**

Dental Assisting

Lesson Plans (version 09/6/2012 adjusted)

Lessons #1-27

LESSON #1: THE HISTORY OF DENTISTRY, THE DENTAL TEAM, & DENTAL ETHICS AND LAW

Textbook: *Pearson's Comprehensive Dental Assisting* by Lori Tyler

Chapter #1: The History of Dentistry, pp. 1-10

Chapter #2: The Dental Team, pp. 11-20

Chapter #3: Dental Ethics and Law, pp. 21-30

Objectives: *After completing this lesson, you should be able to:*

- Explain the role of Hippocrates in history
- Name notable figures in dental history
- Define the concept of professionalism
- Explain the role and purpose of the professional associations in dentistry
- Identify the various roles of dental assistants
- Name the members of the dental healthcare team and describe their roles
- Name and describe each of the recognized dental specialties
- Explain the difference between being legal and being ethical
- Define the basic principles of ethics
- Identify the difference between legal and ethical
- Explain the purpose of the state dental practice act
- Summarize the circumstances required for patient abandonment
- Describe how to make corrections to a patient's record

Student Slides: 1-13 (Pages #1 to #3)

Lesson Topics: *This lesson covers the following topics.*

- - Dental History
 - Important Dental Figures
 - Education & Professional Development
 - The Members of the Dental Office Team
 - Ethical Principles
 - Confidentiality
 - Dentist-Patient Relationship

Homework: *Complete the following assignments:*

- *Student Workbook for Pearson's Comprehensive Dental Assisting:* Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #1, # 2, and #3.

LESSON #2: GENERAL ANATOMY AND PHYSIOLOGY, & HEAD AND NECK ANATOMY

Textbook:

Pearson's Comprehensive Dental Assisting by Lori Tyler

- Chapter #4: General Anatomy and Physiology, pp. 31-71
- Chapter #5: Head and Neck Anatomy, pp. 72-92

Objectives:

After completing this lesson, you should be able to:

- Identify the body planes and associated body directions, the body systems, cavities, and regions
- List the components of a cell
- Name and locate each of the 11 body systems and their functions.
- Describe the signs and symptoms of common disorders related to each body system
- Identify the structures of the head and neck
- Name the landmarks of the maxilla and mandible
- Identify the components (and their functions) of the temporomandibular joint (TMJ)
- Locate and identify the muscles of the head and neck

Student Slides:

14-21 (Pages #3 to #4)

Lesson Topics:

This lesson covers the following topics.

- Planes and Body Directions
- Structural Units
- Body Organ Systems
- Regions of the Head
- Bones of the Skull
- Facial Landmarks

Homework:

Complete the following assignments:

- *Student Workbook for Pearson's Comprehensive Dental Assisting:*
Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #4 and #5.

LESSON #3: THE FACE AND ORAL CAVITY, & ORAL EMBRYOLOGY AND HISTOLOGY

Textbook:

Pearson's Comprehensive Dental Assisting by Lori Tyler

- Chapter #6: The Face and Oral Cavity, pp. 93-102
- Chapter #7: Oral Embryology and Histology, pp. 103-114

Objectives:

After completing this lesson, you should be able to:

- Identify the landmarks and functions of the face and oral cavity
- Name the stages of embryonic development and the associated histology of structures
- Describe the stages and dates of tooth development, eruption, and exfoliation
- Name the tissues that comprise teeth and their supporting structures

Student Slides:

22-31 (Pages #4 to #6)

Lesson Topics:

This lesson covers the following topics.

•

- Oral Cavity
- Oral Cancer and Conditions
- Oral Embryology
- Formation and Growth of the Teeth
- Oral Histology
- Supporting Structures

Homework:

Complete the following assignments:

- *Student Workbook for Pearson's Comprehensive Dental Assisting:*
Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #6 and #7.

LESSON #4: TOOTH MORPHOLOGY, DENTAL CHARTING, ORAL PATHOLOGY, & MICROBIOLOGY

Textbook: *Pearson's Comprehensive Dental Assisting by Lori Tyler*

Chapter #8: Tooth Morphology, pp. 115-127

Chapter #9: Dental Charting, pp. 128-142

Chapter #10: Oral Pathology, pp. 143-164

Chapter #11: Microbiology, pp. 165-174

Lab: *Complete the following hands-on labs and exercises:*

- Lab #1: Tooth Identification and Dentition

Objectives: *After completing this lesson, you should be able to:*

- Summarize the differences between primary, mixed, and permanent dentition
- Explain the stages of tooth development, root formation, eruption, and deformities that can occur
- Identify the names and surfaces of the primary and secondary teeth
- Describe the different charting systems, the common charting symbols and abbreviations
- Identify the signs of inflammation
- Summarize specific lesions of the oral cavity
- Describe oral conditions related to developmental issues
- Name the major groups of microorganisms
- Name common bacterial and viral diseases
- Identify the primary bacterial component in dental plaque

Student Slides: 32-46 (Pages #6 to #8)

Lesson Topics: *This lesson covers the following topics.*

•

- | | |
|---------------------------------------|---------------------------------------|
| • Tooth Development Histology | • Oral Lesions |
| • Hard Tissues of the Teeth | • Oral Cancer |
| • Periodontium Formation | • Oral Conditions Due to HIV and AIDS |
| • Dentition Periods | • Developmental Disorders |
| • The Dental Arches | • Microbiology |
| • Types and Functions of Teeth | • Bacterial and Viral Diseases |
| • Surfaces of Teeth | |
| • Angles and Divisions | |
| • Tooth Numbering Systems | |
| • Classification of Cavities | |
| • Oral Cavity Diseases and Conditions | |

Homework:

Complete the following assignments:

- *Student Workbook for Pearson's Comprehensive Dental Assisting:*
Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #8, #9, #10, and #11.

LESSON #5: DENTAL DISEASE AND INFECTION CONTROL, DENTAL CARIES, PERIODONTAL DISEASE, ORAL HEALTH, & ORAL NUTRITION

Textbook:

Pearson's Comprehensive Dental Assisting by Lori Tyler

Chapter #12: Dental Disease and Infection Control, pp. 175-202

Chapter #13: Dental Caries, pp. 203-212

Chapter #14: Periodontal Disease, pp. 213-222

Chapter #15: Oral Health, pp. 223-239

Chapter #16: Oral Nutrition, pp. 240-251

Lab:

Complete the following hands-on labs and exercises:

- Lab #2: Instruction on Tooth Brushing and Flossing

Handouts:

Handout #1: Tooth Brushing Methods & Flossing Techniques

Objectives:

After completing this lesson, you should be able to:

- Describe a pathogen
- Explain the chain of infection
- Describe the difference between acute, latent, and chronic infections
- List the steps for universal and standard precautions and its importance in the dental office
- Demonstrate proper hygiene and waste management techniques
- Explain the process of dental caries and the affected areas of teeth.
- Summarize the types of dental caries and the importance of saliva
- Describe gingivitis and periodontitis and the different types of periodontitis
- Identify the benefits of fluoride and its application
- Discuss proper nutrition and the benefit of a balanced diet on oral health
- Identify the components and formation of plaque and calculus

Quiz (Start of Class):

Dental Assisting Quiz #1: Chapters 1-11

Student Slides:

47-63 (Pages #9 to #11)

Lesson Topics:

This lesson covers the following topics.

•

- | | |
|---|---|
| • Chain of Infection | • Caries Detection and Intervention |
| • The Immune System | • Signs & Symptoms of Periodontal Disease |
| • Disease Transmission in the Dental Office | • Systemic Conditions Linked to Periodontal Disease |
| • Roles of the CDC and OSHA | • Patient Education |
| • Caries Process | • Diet Analysis and Modification |
| • Importance of Saliva | |

- Eating Disorders
- Healthy Eating Habits

Homework:

Complete the following assignments:

- *Student Workbook for Pearson's Comprehensive Dental Assisting:*
Complete Learning Activities and Study Aids, Medical Terminology
Review questions, Critical Thinking questions, and Chapter Review Test
for Chapters #12, #13, #14, #15 and #16.

LESSON #6: INSTRUMENT PROCESSING AND STERILIZATION, OCCUPATIONAL HEALTH AND SAFETY, & DENTAL UNIT WATERLINES

Textbook:

Pearson's Comprehensive Dental Assisting by Lori Tyler

Chapter #17: Instrument Processing and Sterilization, pp. 252-270

Chapter #18: Occupational Health and Safety, pp. 271-281

Chapter #19: Dental Unit Waterlines, pp. 282-289

Lab:

Complete the following hands-on labs and exercises:

- Lab #3: Instruction on Handwashing

Handouts:

Handout #2: Hand Washing Prior to Gloving, Prepare to Autoclave

Instruments,

Performing Treatment Room Cleaning and Disinfection, & Operating

the

Ultrasonic Cleaner

Objectives:

After completing this lesson, you should be able to:

- Explain critical, semi-critical, and non-critical items and how they are processed.
- Describe how to transport contaminated items.
- Explain how to clean instruments
- Summarize the use of the ultrasonic cleaner
- Explain how to package and sterilize instruments, and monitor the package indicators using an autoclave
- Identify the proper way to use liquid sterilants
- Explain the roles of the ADA, FDA, EPA, and OSHA
- Summarize the potential hazards in the dental office
- Explain the information that is found on hazardous material labels
- Summarize how water is used in the office and the allowable bacteria limit
- Describe biofilm and patients who may be at risk for infection from biofilm
- Explain bacterial growth in waterlines and how to reduce the contamination level in waterlines

Student Slides:

64-98 (Pages #11 to #17)

Lesson Topics:

This lesson covers the following topics.

•

- | | |
|--|-------------------------------|
| • Instrument Processing | • Hazardous Chemicals |
| • Classification of Patient Care Items | • Waste Handling and Disposal |
| • Instrument Processing Areas | • Dental Unit Waterlines |
| • Safety Standards | • Biofilm |

This package and any attachments are confidential. Do not reprint.

- Methods of Reducing Contamination in Waterlines
- Infection Control

Homework:

Complete the following assignments:

- *Student Workbook for Pearson's Comprehensive Dental Assisting:*
Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #17, #18, and #19.

LESSON #7: THE DENTAL OFFICE, EXAMINATION AND CARE PLANNING, CARING FOR THE DENTAL PATIENT, & OBTAINING VITAL SIGNS

Textbook: *Pearson's Comprehensive Dental Assisting by Lori Tyler*

Chapter #20: The Dental Office, pp. 290-304

Chapter #21: Examination and Care Planning, pp. 305-327

Chapter #22: Caring for the Dental Patient, pp. 328-342

Chapter #23: Obtaining Vital Signs, pp. 343-354

Lab: *Complete the following hands-on labs and exercises:*

- Lab #4: Obtain a Blood Pressure Reading

Handouts: Handout #3: Obtain a Blood Pressure Reading

Handout #4: HIPAA Training: An Introduction to Patient Confidentiality and Privacy Under HIPAA

Objectives: *After completing this lesson, you should be able to:*

- Explain the different areas within the dental office and their purpose
- Describe patient record confidentiality
- Detail how to make corrections within a patient record
- Describe how to take a patient history and how to update and record changes
- Identify the order for an ideal care plan
- Explain the process of an extraoral and intraoral exam
- Identify procedures to decrease patient anxiety and fear
- Describe specific ways to accommodate patients with special needs
- Summarize the vital signs and the procedures to take them
- Name the normal values for the vital signs

Student Slides: 99-123 (Pages #17 to #21)

Lesson Topics: *This lesson covers the following topics.*

- - Creating and Maintaining Patient Records
 - Sterilization Area
 - Patient Records & Confidentiality
 - Charting
 - Establishing Patient Rapport
 - Rights of Patients
 - Caring for Patients with Special Needs
 - Taking Vital Signs

Homework: *Complete the following assignments:*

- *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology*

LESSON #8: DENTAL INSTRUMENTS & ERGONOMICS

Textbook: *Pearson's Comprehensive Dental Assisting by Lori Tyler*

Chapter #24: Dental Instruments, pp. 355-377

Chapter #25: Ergonomics, pp. 378-388

Objectives: *After completing this lesson, you should be able to:*

- Name the dental handpieces and rotary instruments along with their features and functions
- Identify the uses and differences between low-speed and high-speed instruments
- Identify the various dental instruments and their uses
- Identify the various burs, their names, and their numbers
- Summarize handpiece cleaning and lubrication
- Describe the risk factors for injury in the dental office
- Summarize exercises that can minimize injury and increase muscle strength
- Explain four-handed dentistry, the zones, and the activities of each zone

Student Slides: 124-152 (Pages #21 to #26)

Lesson Topics: *This lesson covers the following topics.*

- - Identifying Dental Instruments
 - Classifications of Instruments
 - Rotary Equipment
 - Ergonomics in the Dental Office
 - Posture
 - Common Dental Assistant Injuries
 - Four-Handed Dentistry
 - Operating Zones
 - The Expanded Function Dental Assistant

Homework: *Complete the following assignments:*

- *Student Workbook for Pearson's Comprehensive Dental Assisting:*
Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #24 and #25.

LESSON #9: DENTAL INSTRUMENTS LABORATORY & HANDLING AND TRANSFER OF INSTRUMENTS LABORATORY

Textbook: *None – Lab Only*

Lab: *Complete the following hands-on labs and exercises:*

- Lab #5: Instruction on Identifying the Equipment
- Lab #6: Handling and Transfer of Instruments

Handouts: Handout #5: Transferring Instruments Using a Single-Handed Technique & The Identification and Attachment of Hand Pieces.

Objectives: *After completing this laboratory, you should be able to:*

- Name the dental handpieces and rotary instruments along with their features and functions
- Identify the uses and differences between low-speed and high-speed instruments
- Identify the various dental instruments and their uses
- Identify the various burs, their names, and their numbers
- Summarize handpiece cleaning and lubrication



LESSON #10: MOISTURE CONTROL

Textbook: *Pearson's Comprehensive Dental Assisting by Lori Tyler*
Chapter #26: Moisture Control, pp. 389-412

Objectives: *After completing this lesson, you should be able to:*

- Summarize the types of oral evacuation systems and their components
- Describe the role of the dental assistant in keeping a dry working field and the proper placement of oral evacuators
- Identify isolation techniques and their placement
- Summarize the placement, use, and removal of dental dams

Quiz (Start of Class): Dental Assisting Quiz #2: Chapters 12-25

Student Slides: 153-164 (Pages #26 to #28)

Lesson Topics: *This lesson covers the following topics.*

- Oral Evacuation Systems
- Rinsing the Oral Cavity
- Dental Dam Placement & Removal

Homework: *Complete the following assignments:*

- *Student Workbook for Pearson's Comprehensive Dental Assisting:* Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapter #26.

LESSON #11: PHARMACOLOGY, & ANESTHESIA AND PAIN CONTROL

Textbook: *Pearson's Comprehensive Dental Assisting by Lori Tyler*

Chapter #27: Pharmacology, pp. 413-420

Chapter #28: Anesthesia and Pain Control, pp. 421-441

Handouts: Handout #6: Positioning the High Volume Evacuator for a Procedure, Dental
Dam

Placement, & Preparing and Assisting in the Administration of Local
Anesthesia

Objectives: *After completing this lesson, you should be able to:*

- Describe the difference between the chemical, trade, and generic names of a drug
- Summarize the areas of written prescription
- Describe drug reference materials
- List different methods to control pain
- Summarize the use of topical anesthetics
- Name the locations for injections in the arches
- Summarize other sedation and antianxiety agents

Student Slides: 165-174 (Pages #28 to #29)

Lesson Topics: *This lesson covers the following topics.*

- - Categories of Drugs
 - Drug Administration
 - Drug Classification
 - Antibiotic Prophylaxis
 - Adverse Drug Effects
 - Local and Topical Anesthetics
 - Complications and Precautions
 - Antianxiety Agents
 - General Anesthesia
 - Documentation of Pain Control

Homework: *Complete the following assignments:*

- *Student Workbook for Pearson's Comprehensive Dental Assisting:*
Complete Learning Activities and Study Aids, Medical Terminology
Review questions, Critical Thinking questions, and Chapter Review Test
for Chapters #27 and #28.

LESSON #12: DENTAL RADIOGRAPHY & DENTAL FILM AND PROCESSING RADIOGRAPHS

Textbook:

Pearson's Comprehensive Dental Assisting by Lori Tyler

Chapter #29: Dental Radiography, pp. 442-455

Chapter #30: Dental Film and Processing Radiographs, pp. 456-472

Handouts:

Handout #7: Radiography Handout, slides. 1-107 (Pages #1 to #18)

Objectives:

After completing this lesson, you should be able to:

- Describe ionization and radiation
- Name the components of a dental x-ray unit
- Summarize the effects of radiation on the body and the ALARA concept
- Explain the procedures for protecting the operator and the patient from radiation
- Describe why contrast and density are important in radiographs
- Describe the components of dental film and the dental film packet
- Summarize the sizes of dental film and their uses
- Name the steps in dental film processing
- Summarize common errors and how to avoid them
- Describe the processing steps for both manual and automatic processing

Student Slides:

175-188 (Pages #30 to #32)

Lesson Topics:

This lesson covers the following topics.

•

- Discovery of X-Radiation
- The Dental X-Ray Unit
- Radiation Effects
- Radiation Safety
- Controlling Radiation
- Dental X-Ray Film Holders
- Dental X-Ray Film
- Types of Film
- Film Storage, Speed, and Processing
- Quality Assurance in Dental Radiography
- Infection Control

Homework:

Complete the following assignments:

This package and any attachments are confidential. Do not reprint.

- *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #29 and #30.*

LESSON #13: INTRAORAL RADIOGRAPHIC PROCEDURES

Textbook: *Pearson's Comprehensive Dental Assisting by Lori Tyler*

Chapter #31: Intraoral Radiographic Procedures, pp. 473-505

Handouts: Handout #7: Radiography Handout, slides 108-214 (Pages #18 to #36)

Objectives: *After completing this lesson, you should be able to:*

- Describe preparing and positioning of a patient for radiographs
- Summarize the types of intraoral exposures
- Summarize the bisecting and paralleling techniques
- Explain radiographic techniques for edentulous, pediatric, or patients with gag reflexes

Lesson Topics: *This lesson covers the following topics.*

- - Intraoral Radiography
 - Paralleling Technique
 - Bisecting Angle Technique
 - Bitewing Technique
 - Occlusal Technique
 - Mounting Intraoral Radiographs

Homework: *Complete the following assignments:*

- *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapter #31.*

LESSON #14: EXTRAORAL AND DIGITAL RADIOGRAPHIC PROCEDURES

Textbook: *Pearson's Comprehensive Dental Assisting by Lori Tyler*

Chapter #32: Extraoral and Digital Radiographic Procedures, pp. 506-518

Objectives: *After completing this lesson, you should be able to:*

- Describe how to load extraoral cassettes
- Summarize how to prepare a patient for the various extraoral radiographic exposures
- List the radiographic errors and how to avoid them
- Explain digital radiography

Student Slides: 189-195 (Pages #32 to #33)

Lesson Topics: *This lesson covers the following topics.*

•

- Panoramic Radiography
- Digital Radiography

Homework: *Complete the following assignments:*

- *Student Workbook for Pearson's Comprehensive Dental Assisting:* Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapter #32.

LESSON #15: RESTORATIVE AND ESTHETIC DENTAL MATERIALS, DENTAL LINERS, BASES, AND BONDING SYSTEMS, & DENTAL CEMENTS

- Textbook:** *Pearson's Comprehensive Dental Assisting by Lori Tyler*
Chapter #33: Restorative and Esthetic Dental Materials, pp. 519-536
Chapter #34: Dental Liners, Bases, and Bonding Systems, pp. 537-549
Chapter #35: Dental Cements, pp. 550-560
- Handouts:** Handout #8: Mixing and Transferring of Amalgam & Mixing Zinc Phosphate for a Permanent Cementation
- Objectives:** *After completing this lesson, you should be able to:*
- Describe the various properties of restorative materials
 - Summarize the similarities and differences between direct and indirect restorations
 - List the indications for using amalgam
 - Summarize the steps for placing the different restorative materials
 - Describe the indications and uses for the different restorative materials
 - Describe tooth sensitivity levels and which dental preparation material should be used
 - Summarize cavity liners and varnishes and which ones should be used
 - Explain the placement of dentinal sealers and dental bases and when they are used
 - Summarize the bonding and etching processes
 - Classify dental cements
 - Differences between temporary and permanent cements
- Student Slides:** 196-210 (Pages #33 to #35)
- Lesson Topics:** *This lesson covers the following topics.*
- - Dental Materials
 - Properties of Dental Materials
 - Restorations
 - Cavity Preparations
 - Dental Liners
 - Varnishes
 - Dental Sealers
 - Dental Bases
 - Dental Bonding
 - Dentin Bonding
 - Enamel Bonding
 - Dental Cements
 - Types of Cements
 - Removing Excess Cement
- Homework:** *Complete the following assignments:*

- *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #33, #34, and #35.*

LESSON #16: IMPRESSION MATERIALS, LABORATORY MATERIALS & PROCEDURES, GENERAL DENTISTRY, & MATRIX SYSTEMS FOR RESTORATIVE DENTISTRY

Textbook: *Pearson's Comprehensive Dental Assisting by Lori Tyler*
 Chapter #36: Impression Materials, pp. 561-577
 Chapter #37: Laboratory Materials and Procedures, pp. 578-595
 Chapter #38: General Dentistry, pp. 596-613
 Chapter #39: Matrix Systems for Restorative Dentistry, pp. 614-625

Objectives: *After completing this lesson, you should be able to:*

- Summarize when an impression is needed, how to mix the materials, and how to take an impression
- Describe how to sanitize the impression, wrap and pack it, write the instructions, and send it to a laboratory
- Explain how to create a gypsum model using an alginate impression and how to properly trim it
- Explain how to make a custom tray
- Summarize the steps of cavity preparation
- Name the cavity classifications, their preparations, and restorations
- Identify alternative matrix systems

Quiz (Start of Class): Dental Assisting Quiz #3: Chapters 26-35

Student Slides: 211-223 (Pages #36 to #38)

Lesson Topics: *This lesson covers the following topics.*

- - Types of Impressions
 - Pouring & Trimming Dental Models
 - Custom Impression Trays
 - Dental Waxes
 - Cavity Preparation
 - Restorations
 - Veneers and Bonding
 - Tooth Whitening
 - Matrix Systems

Homework: *Complete the following assignments:*

- *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #36, #37, #38, and #39.*

LESSON #17: TOOTH IDENTIFICATION AND DENTITION, INSTRUMENT TRANSFER PRACTICE, & MIXING OF DENTAL MATERIALS AND TAKING IMPRESSIONS LABORATORY

Textbook: ***None – Lab Only***

Lab: *Complete the following hands-on labs and exercises:*

- Lab #7: Mixing of Dental Materials and Taking Impressions

Handouts: Handout #9: The Mixing of Alginate and Taking Preliminary Impressions, & Loading the Mandibular Impression Tray
Handout #10: Separating the Cast from the Impression, & Pouring Dental Models Using the Inverted Pour Method
Handout #11: Constructing a Vacuum-Formed Tray, Placement of an Intermediate Restoration, & Assemble and Place the Matrix Band and Universal Retainer



LESSON #18: FIXED PROSTHODONTICS, PROVISIONAL COVERAGE, REMOVABLE PROSTHODONTICS, & DENTAL IMPLANTS

Textbook: *Pearson's Comprehensive Dental Assisting by Lori Tyler*

Chapter #40: Fixed Prosthodontics, pp. 626-642

Chapter #41: Provisional Coverage, pp. 643-656

Chapter #42: Removable Prosthodontics, pp. 657-666

Chapter #43: Dental Implants, pp. 667-675

Handouts: Handout #12: Placement and Removal of Retraction Cord, Fabrication of a Custom Acrylic Provisional Crown, & Suture Removal

Objectives: *After completing this lesson, you should be able to:*

- List indications and contraindications for a fixed prosthesis
- Discuss the indications for provisional coverage for a crown or fixed-bridge preparation
- Identify home care instructions for a patient with a permanent fixed prosthesis
- Differentiate between a partial and a full denture
- Identify indications and contraindications for removable partial and full dentures
- Discuss the indications for, and contraindications to, dental implants
- Identify the types of dental implants
- Describe the surgical procedures for implantation

Student Slides: 224-239 (Pages #38 to #40)

Lesson Topics: *This lesson covers the following topics.*

- - Crown and Bridge Procedure
 - Machined Restorations
 - Provisional Fabrication
 - Provisional Restoration Materials
 - Removable Partial Denture
 - Complete (Full) Dentures
 - Immediate Dentures
 - Overdentures
 - Denture Relining, Repairs, and Duplication
 - Types of Dental Implants
 - Dental Implant Maintenance

Homework: *Complete the following assignments:*

- *Student Workbook for Pearson's Comprehensive Dental Assisting: Complete Learning Activities and Study Aids, Medical Terminology*

Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #40, #41, #42, and #43.

LESSON #19: ENDODONTIC PROCEDURES, PERIODONTAL PROCEDURES, & ORAL SURGERY PROCEDURES

Textbook: *Pearson's Comprehensive Dental Assisting by Lori Tyler*

Chapter #44: Endodontic Procedures, pp. 676-698

Chapter #45: Periodontal Procedures, pp. 699-716

Chapter #46: Oral Surgery Procedures, pp. 717-746

Objectives: *After completing this lesson, you should be able to:*

- Describe the diagnostic testing performed for endodontic diagnosis
- Discuss the medications and dental materials used in endodontics
- Explain the procedures necessary for a comprehensive periodontal examination
- Demonstrate periodontal charting
- Identify and describe the instruments used in periodontal therapy
- Describe the specialty of oral and maxillofacial surgery and explain the role of an oral surgery assistant
- Identify specialized instruments used for basic surgical procedures

Quiz (Start of Class): Dental Assisting Quiz #4: Chapters 36-43

Student Slides: 240-250 (Pages #40 to #42)

Lesson Topics: *This lesson covers the following topics.*

- - Dental Pulp Damage
 - Endodontic Procedures
 - Instruments and Accessories
 - Surgical Endodontics
 - Periodontal Examination
 - Periodontal Instruments
 - Surgical and Non-Surgical Periodontal Treatment
 - Oral Surgery
 - Surgical Asepsis

Homework:

Complete the following assignments:

- *Student Workbook for Pearson's Comprehensive Dental Assisting:*
Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #44, #45, and #46.

LESSON #20: PEDIATRIC DENTISTRY PROCEDURES, CORONAL POLISHING, DENTAL SEALANTS, & ORTHODONTIC PROCEDURES

Textbook: *Pearson's Comprehensive Dental Assisting by Lori Tyler*

Chapter #47: Pediatric Dentistry, pp. 747-762

Chapter #48: Coronal Polishing, pp. 763-772

Chapter #49: Dental Sealants, pp. 773-779

Chapter #50: Orthodontic Procedures, pp. 780-806

Handout: Handout #13: Application of Dental Sealants

Objectives: *After completing this lesson, you should be able to:*

- Discuss the pediatric patient and understand diagnosis and treatment planning for the patient
- Identify common dental traumas, emergencies, and signs of abuse and neglect
- Explain the indication and contraindications for polishing
- Describe dental stains
- Explain the process of polishing, flossing, and polishing evaluation
- Describe the reasoning for and placement of pit and fissure sealants
- List the steps in the application of pit and fissure sealants
- Identify classes of malocclusion and how they apply to orthodontics
- Explain the phases of orthodontic treatment
- Identify tools utilized in the orthodontic practice

Student Slides: 251-260 (Pages #42 to #44)

Lesson Topics: *This lesson covers the following topics.*

- - Pediatric Dentistry
 - Pediatric Dental Trauma
 - Reporting Child Abuse
 - Coronal Polishing
 - Dental Stains
 - Coronal Polishing Materials and Technique
 - Dental Caries and Sealants
 - Indications & Contraindications for Sealants
 - Orthodontistry
 - Understanding Occlusion
 - Alignment of Teeth and Arches

- Orthodontic Treatment

Homework:

Complete the following assignments:

- *Student Workbook for Pearson's Comprehensive Dental Assisting:*
Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #47, #48, #49, and #50.

LESSON #21: ASSISTING IN EMERGENCY CARE, COMMUNICATION TECHNIQUES, PRACTICE MANAGEMENT PROCEDURES, FINANCIAL MANAGEMENT, DENTAL INSURANCE, & MARKETING YOUR SKILLS

Textbook:

Pearson's Comprehensive Dental Assisting by Lori Tyler

Chapter #51: Assisting in Emergency Care, pp. 807-825

Chapter #52: communication Techniques, pp. 826-844

Chapter #53: Practice Management Procedures, pp. 845-862

Chapter #54: Financial Management, pp. 863-883

Chapter #55: Dental Insurance, pp. 884-901

Chapter #56: Marketing Your Skills, pp. 902-916

Objectives:

After completing this lesson, you should be able to:

- Describe measures that should be taken to help prevent a medical emergency
- Summarize the common signs and symptoms of an emergency and how to recognize them
- Name the steps in the Cardiopulmonary Resuscitation process
- List the items that must be included in a basic emergency kit
- Discuss the use of a defibrillator in an emergency
- Understand what cultural diversity is
- Identify skills necessary for a successful working relationship with colleagues
- Identify some causes of job-related stress
- Identify the importance and advantages of electronic claims
- Determine your career goals and develop a personal philosophy
- Understand how to identify potential career opportunities

Quiz (Start of Class):

Dental Assisting Quiz #5: Chapters 44-50

Student Slides:

261-282 (Pages #44 to #47)

Lesson Topics:

This lesson covers the following topics.

- Preventing Medical Emergencies
- Recognizing an Emergency
- Protocol for Emergencies
- Dental Emergencies
- Listening Skills
- Office Equipment & Maintenance
- Inventory Management

This package and any attachments are confidential. Do not reprint.

- Dental Insurance Plans, Codes, and Claims
- Professional Career Goals
- Resume and Cover Letter
- Employment Negotiations
- Rights as an Employee
- Advancing Your Career

Homework:

Complete the following assignments:

- *Student Workbook for Pearson's Comprehensive Dental Assisting:*
Complete Learning Activities and Study Aids, Medical Terminology Review questions, Critical Thinking questions, and Chapter Review Test for Chapters #51, #52, #53, #54, #55, and #56.
- *Study for the Final Exam*

LESSON #22: CPR CLASS – 8 HOURS

•

LESSON #23: REVIEW FOR JURISPRUDENCE

The three day Dental Assistant Review has been developed to provide the additional study of materials taught throughout the program with an emphasis on the three topics addressed in the SBDE registration exam required by the Texas State Board of Dental Examiners:

1. Radiology
2. Jurisprudence
3. Infection Control

Students interested in challenging the SBDE registration will be required to attend a SBDE approved testing course which includes the SBDE examination.

Several organizations offer this program as addressed in the “DENTAL ASSISTANT REGISTRATION IN THE STATE OF TEXAS”. Each of these test classes varies in length as well as in the length of the exam (exam can be from 50 to 150 questions).

•

“2018 Dental Practice Act and Rules and Regulations for Texas Dental Assistants”

<u>Sec. #</u>	<u>Topic</u>	<u>Page</u>
265.0001	Definition	13
265.001	Registration	14
265.001	Registration Required for Certain Dental Acts	14
265.0015	Eligibility Requirements for Registration	15
265.0016	Fees	15
265.0017	Registration Expiration and Renewal	15
265.002	Supervision, Direction, and Responsibility	15
265.003	Permitted Duties	16
265.005	X-ray Certificate	17
265.007	Continuing Education for Certificate Holders	18

This package and any attachments are confidential. Do not reprint.

<u>Rule #</u>	<u>Topic</u>	<u>Page</u>
108.7	Minimum Standard of Care	19
108.8	Records of the Dentist	20
108.20	Purpose	23
108.21	Requirements	24
108.22	Access to Dental Office	24
108.24	Required Sterilization and Disinfection	24
112.1	Definitions	26
112.2	Visual Dental Health Inspection	27
112.3	Limited Oral Evaluation	27
113.2	X-Ray Laboratories	28
114.1	Permitted Duties	29
114.2	Registration of Dental Assistants	30
114.3	Pit and Fissure Sealant Certificate	34
114.4	Monitoring the Administration of Nitrous Oxide	35
114.5	Coronal Polishing Certificate	36
114.6	General Qualifications for Registration and Certification	37
114.9	Criminal History Evaluation Letter	39
114.10	Dishonorable Conduct	40
114.11	Exemption	41
114.12	Continuing Education for Certificate Holders	41
114.21	Requirements for Dental Assistant Registration Courses and Examination	41
114.23	Dental Assistant Examination Integrity	43

Dental Assisting CCI Review Lesson 27 – Texas 2018 - Jurisprudence

<u>Topic</u>	<u>Slide</u>
Jurisprudence	2
TSBDE	3
Responsibilities of the Dental Assistant	9
Basic Principles of Ethics	18
Laws	21
The Patient Record	26
Recording Dental Treatment	40
Review Dental Practice Act (Laws)	45
Review Texas Rules & Regulations	47

Homework: *Complete the following assignments:*

This package and any attachments are confidential. Do not reprint.

- Study for the Final Exam

LESSON #24: REVIEW FOR INFECTION CONTROL

Textbook: Pearson's Comprehensive Dental Assisting; Author: Lori Tyler

<u>Topic</u>	<u>Page</u>
Discuss oral pathology, oral diseases, disorders and systemic diseases that affect oral health.....	143-164
Discuss the history of microbiology and the major microorganism groups	165-174
Identify the chain of infection and the methods of disease transmission	176-178
Describe the principles of clinical contact surfaces and general housekeeping surfaces.....	185-186
Discuss surface barriers	189-190
Identify PPE and latex allergies	191-196
Review the role of nutrition and its importance in dental health	240-249
Discuss the classifications of instruments and equipment	253-254
Describe the instrument processing area	254-256
Describe pre cleaning and disinfectants	256-259
Discuss pre cleaning and packaging of instruments	256-261
Discuss the various types and monitoring of sterilization	261-268
Describe the regulatory and advisory agencies associated with dental Assisting	272-274
Review the chemical safety and MSDS sheets	275-276
Review the Dental unit waterlines, biofilm, microorganisms, and infection control.....	283-288
Discuss ergonomics and the importance of posture and possible injury resulting from repetitive movement and force	379-387

Dental Assisting CCI Review Lesson 27 – Texas 2018 – Infection Control

<u>Topic</u>	<u>Slide</u>
Infection control	2
Texas Rules and Regulations	3
Oral Pathology	5
Infections	7
Modes of Disease Transmission	9
OSHA Bloodborne Pathogens	13

Disinfectants	21
Hand Hygiene	27
PPE	30
Classifications of Waste	33
Classification of Patient Care Items	38
Cleaning Instruments	40
Methods of Sterilization	52
Types of Safety Standards	59
Protocol for Maintenance of Waterlines	71
Preparing Impressions	74

Homework: *Complete the following assignments:*

- *Study for the Final Exam*

LESSON #25: REVIEW FOR RADIOLOGY EXAM

Textbook: Pearson's Comprehensive Dental Assisting; Author: Lori Tyler

<u>Topic</u>	<u>Page</u>
Describe the physics of radiation	444-445
Discuss the parts of the x-ray machine	445-447
Describe x-ray production and the types of radiation	447-448
Describe the visual characteristics of radiograph beam and the effects of radiation	448-449
Discuss radiation measurement and safety	449-451
Discuss dental film holders and properties of dental film	457-461

Dental Assisting CCI Review Lesson 27 – Texas 2018 – Radiology

<u>Topic</u>	<u>Slide</u>
Radiation Physics	4
Dental X-Ray Unit	7
Types of Radiation	16
Measurement Units	22
Radiation Safety	25
Film Holding Devices	30
Guidelines to Ensure Operator Protection	31
Radiopaque, Radiolucent & Density	38
Contrast	43
Functions of a Dental Assistant	47
Film Holders	48

Homework: *Complete the following assignments:*

- *Study for the Final Exam*

LESSON #26: REVIEW FOR RADIOLOGY EXAM

Textbook Pearson's Comprehensive Dental Assisting; Author: Lori Tyler

Topic	Page
Identify and discuss the steps of film processing	461-466
Discuss legal issues, quality assurance and infection control as they relate to radiology in the dental office	466-470
Describe the full mouth radiological exam	474-486
Describe the bisecting technique in dental radiology	486-489
Describe the bite wing technique	489-492
Discuss the occlusal technique in dental radiology	493-495
Discuss radiology and the patient with special dental needs	495-496
Describe the mounting of dental radiographs	501-502
Describe panoramic radiography	507-513
Discuss the extraoral radiography procedure	513-515
Describe digital radiography	515-516

Dental Assisting CCI Review Lesson 27 – Texas 2018 – Radiology (Continued)

Topic	Slide
Dental X-Ray Film	54
Types of Film Used in Dental Radiography	59
Film Storage	66
Film Speed	67
Processing & The Darkroom	69
Legal Considerations in Dental Radiography	82
Film with Barriers	94
Intraoral X-Ray Techniques	100
Periapical Radiograph	107
Bitewing Radiographs	109
Radiation Exposure Safety	115
Paralleling Technique	121

Occlusal Radiographs	153
Fears, Anxieties and Gag Reflex	162
Mobility, Hearing, & Visually Impaired	164
Pediatric Patients	170
Technical Errors	171
Extraoral Radiographs	191
Panoramic Radiography	192
Cephalometric Radiograph	208
Advantages of Digital Radiography	215

Homework: *Complete the following assignments:*

- *Study for the Final Exam*

LESSON #27: FINAL EXAM

Good Luck to all students