DEN-110, Dental Terminology, 2 cr

COURSE DESCRIPTION: A comprehensive study of dental terminology which can be used to prepare for a dental program, career or as a review of dental terms. The course explains the composition of dental terms by exploring prefix, root combination and suffix divisions along with word composition. Common dental procedures and practices are discussed along with disease processes.

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REQUIRED MATERIALS:
- Dental Terminology, Dofka Charline, Thomson Delmar Learning, Third Edition
- Access code for the online course

COURSE OBJECTIVES:

Competency .01 Use Dental Terminology

UNIT 101  INTRODUCTION TO DENTAL TERMINOLOGY Chapter 1
General Learning Outcome: The student should be able to apply basic word structure
101.1 Identify and pronounce words commonly used in Dentistry
101.2 Identify commonly used abbreviations
101.3 Match prefixes, root words, and suffixes with their correct meaning

UNIT 102 ANATOMY AND ORAL STRUCTURES  Chapter 2
General Learning Outcome: Define & utilize medical/dental terminology related to anatomy and oral structures
102.1 Name and identify the major bones of the face and skull
102.2 Locate sinus cavities, sutures, processes, and foramina of the skull
102.3 Identify names and locations of the major muscles of mastication
102.4 Identify the principle branches of the trigeminal nerve and explain its function.
102.5 Locate and identify the major blood vessels and terms related to the cranium.
102.6 Identify the major salivary glands and their function.
102.7 Identify major structural points of the mandible.
102.8 Name structures and terms related to the mouth

UNIT 103 TOOTH ORIGIN AND FORMATION Chapter 3
General Learning Outcome: Use dental terminology as it relates to tooth origin and formation
103.1 Identify the various terms related to dentition, tissues and surfaces
103.2 Name and explain developmental terms of the tooth including formation from initiation to attrition and conditions related to development
103.3 Identify tissue composition of the periodontium
103.4 Identify tooth abnormalities and disturbances

For general information only. Full syllabus available from instructor.
UNIT 104 PRACTICE AND FACILITY SETUPS  Chapter 4
General Learning Outcome: Define & utilize dental terminology related to the dental practice and facility setups
104.1 Identify the training, qualifications and licensure requirements of personnel involved in dental care
104.2 Identify common dental related abbreviations
104.3 Identify commonly used dental instruments, components and their uses

UNIT 105 INFECTION CONTROL  Chapter 5
General Learning Outcome: Define & utilize dental terminology related to the infection control practices
105.1 Define objectives and subjective symptoms
105.2 Identify terms associated with disease: etiology, pathology, diagnosis, prognosis
105.3 Identify the sources of disease, pathogens and their port of entry
105.4 Match the type of immunity with its source
105.5 Identify common methods used to combat disease and infection.
105.6 Identify the principal agencies or government bodies concerned with the control of disease.

UNIT 106 EMERGENCY CARE  Chapter 6
General Learning Outcome: Define & utilize dental terminology related to the emergency medical and dental care
106.1 Identify the importance of vital signs and prevention in emergency care
106.2 Identify the major equipment and materials needed in emergency prevention and treatment
106.3 Define methods to clear the airway, and terms related to CPR.
106.4 Identify the symptoms, causes, and treatment of common medical emergencies
106.5 Identify the most common emergencies occurring in the dental facility.

UNIT 107 EXAMINATION AND PREVENTION  Chapter 7
General Learning Outcome: Define & utilize dental terminology related to the dental examination procedure and preventive care.
107.1 Identify and list the various procedures necessary to complete an initial examination.
107.2 Identify the methods used to examine the oral tissues and the diseases associated with them
107.3 List and explain the various types of tooth and mouth charting techniques
107.4 Define preventive education and identify the various methods of home dental care.
107.5 Define the various methods of tooth decay and prevention techniques used in the dental office.

UNIT 108 PAIN MANAGEMENT AND PHARMACOLOGY  Chapter 8
General Learning Outcome: Define & utilize dental and medical terminology related to pain management and pharmacology
108.1 Define the meaning of pain and common terms relating to drug effects.
108.2 Define anesthesia and differentiate the types and means of sedation.
108.3 Identify the equipment necessary for the anesthetic injection

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108.4 Define general anesthesia, the various stages encountered in general anesthesia, and the items used for general anesthesia.

108.5 Define the categories

UNIT 109 RADIOGRAPHY  Chapter 9
General Learning Outcome: Define & utilize dental terminology related to the dental radiography practice, policies and procedures
109.1 Define the principle of radiant energy and discuss how these Roentgen rays (x-rays) are generated.
109.2 Identify the perils of radiation and describe their various effects upon the body.
109.3 Identify the importance of observing radiation safety and methods used to provide safety to the patient and the operator.
109.4 Define the various types of dental radiographs and the qualities necessary for diagnosis.
109.5 Identify the methods employed when exposing various dental radiographs.
109.6 Describe the methods used to produce a processed dental radiograph.
109.7 Recognize the types of radiograph mounts and the system used to place processed films.
109.8 List and describe common radiographic errors and the causes for each.

UNIT 110 TOOTH RESTORATIONS  Chapter 10
General Learning Outcome: Define & utilize dental terminology related to tooth restorations
110.1 Define the purpose of dental restorations, steps and their classifications.
110.2 List the various methods employed to maintain a dry mouth area during dental preparations.
110.3 Identify the assorted dental cements, liners, and base materials used in tooth restorations and define the purpose and steps.
110.4 Identify terms specific to the preparation, handling, use, and cleanup of restorative materials.
110.5 Identify the methods used to complete, finish, and refine the tooth restoration

UNIT 111 DENTAL LABORATORY MATERIALS  Chapter 18
General Learning Outcome: Define & utilize dental terminology related to Dental Laboratory Materials
111.1 Identify the various kinds of rigid and elastic impression materials, and give examples of each.
111.2 Define the various types of gypsum products used in dentistry and give examples of their uses.
111.3 Identify the various kinds of dental waxes and discuss a use for each type of wax.
111.4 Define the process of polymerization and the factors that alter or modify the chemical reactions, as well as the uses for the polymer materials.
111.5 Identify the difference between precious and other metals and state uses for the assorted types of gold.
111.6 Identify common abrasives and polishing materials used in dentistry and the desired effect of each.
111.7 List the various types of dental cements and state the uses for each type.
111.8 Define the various types of descriptive or manipulative characteristics of dental materials

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UNIT 112 DENTAL LABORATORY PROCEDURES  Chapter 19
General Learning Outcome: Define & utilize dental terminology related to Dental Laboratory Procedures
112.1 Identify the professional personnel related to the construction of dental prostheses or appliances made in the lab setting.
112.2 List and identify the assorted machinery and equipment articles necessary for laboratory procedures.
112.3 Define the terms related to denture construction
112.4 Define terms related to partial reconstruction.
112.5 Identify the miscellaneous assortment of dental appliances, prosthodontic items and terms used to protect, maintain, or correct dental care.

Competency .02 Exhibit Professionalism
UNIT 113 PROFESSIONALISM
General Learning Outcome: Demonstrate the behavior expected of a professional in the dental team
113.1 Comply with the class requirements regarding deadlines as listed in the syllabus
113.2 Comply with class requirements for completion of activities and quizzes as listed in the syllabus
113.3 Comply with class requirements for completion of exams as listed in the syllabus

GRADING CRITERIA:

• Assigned reading
• Text exercises
• Computer exercises
• There will be a quiz at the end of each module.
• There will be three exams.
• These quizzes and exams will be listed on the schedule.
• In addition there will be a midterm and final exam.
• The final grade will be:
  o Unit quizzes worth 25%
  o Unit exams worth 25%
  o Final and Midterm Exams worth 25% each

COURSE POLICIES:

Late Assignment Policy: All modules, quizzes, and exams must be complete by the final day of the semester. No extensions will be given beyond that date.

KIRKWOOD’S PLAGIARISM AND STUDENT POLICIES:

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