South Central College

DA 1823 Dental Science II

Course Outcome Summary

Course Information

Description  This course is designed to provide basic knowledge in oral pathology and pharmacology. Emphasis will be placed on methods of application, classifications and usage of knowledge in clinical settings. (Prerequisites: DA 1811, DA 1812)

Total Credits  2
Total Hours  32

Types of Instruction

Instruction Type  Credits/Hours
Classroom lecture  2/32

Pre/Corequisites

DA 1811 Dental Science I
DA 1812 Oral Anatomy

Institutional Core Competencies

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Explain drug classifications, usage and sources
   Learning Objectives
   Define pharmacology/terminology
   Explain drug administration routes and forms
   Explain drug actions/interactions and dosage calculations
   Describe cardiovascular drugs/interactions
   Explain tobacco use/impact

2. Define drug prescription parts and terminology
   Learning Objectives
   Explain controlled drug prescription guidelines
   Explain generic equivalence/drug substitutions
   Explain drug actions, interaction and dosages
3. Identify narcotic & non-narcotic drugs
   Learning Objectives
   Explain drug distribution/metabolism factors
   Describe coagulation agents/vasoconstrictors
   Explain antimicrobial drug principles
   Define antidepressant and anxiety drug usages

4. Define oral pathology/terminology
   Learning Objectives
   Describe immunologic disturbances
   Identify surface changes with correct terminology

5. Identify oral lesions/types/causes
   Learning Objectives
   Recognize oral lesions classifications
   Describe aging dysfunctions
   Recognize causes of oral lesions
   Describe treatments of oral lesions

6. Identify gingival abnormalities
   Learning Objectives
   Describe disease of oral soft tissues
   Identify stomatitis/infections
   Describe dental tissue abnormalities and treatments
   Identify dental tissue abnormalities
   Describe oral cancer/treatments

7. Describe surface changes/terminology
   Learning Objectives
   Describe trauma/treatments
   Identify trauma
   Explain sexually transmitted disease
   Describe inflammation and healing

8. Identify drug regulatory agencies
   Learning Objectives
   Describe federal government drug agencies
   Explain drug schedules
   List drug classifications

9. Summarize drugs used in Dentistry
   Learning Objectives
   Explain fungal drugs
   Discuss local anesthetics
   Describe opioids and non-opioid drugs

10. Indicate drugs used with dental-related infections
    Learning Objectives
    Describe anti-infective drugs
    List agents commonly used to treat oral lesions
    Detail drug induced oral side effects

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