

Course discipline/number/title: DA 1230: Preventive Dentistry

A. CATALOG DESCRIPTION

1. Credits: 2
2. Hours/Week: 2 lecture, 1 lab
3. Prerequisites (Course discipline/number): None
4. Other requirements: DA Program Admission is required
5. MnTC Goals (if any): NA

B. COURSE DESCRIPTION. This course focuses on disease prevention. Specific emphasis is on the nature of healthy oral tissues, dental decay and periodontal disease, plaque removal techniques, gum stimulation techniques, nutrition, nutritional counseling, and patient dental education presentations. (DA Program Admission is required).

C. DATE LAST REVISED (Month, year): September, 2021

D. OUTLINE OF MAJOR CONTENT AREAS:

1. Healthy Oral Tissues
2. Soft Deposits and Stains
3. Calculus
4. Periodontal Disease
5. Decay
6. Toothbrushing/Flossing
7. Dentifrices/Toothpastes/Fluorides/Mouthwashes/Mouthrinses
8. Pit and Fissure Sealants
9. Effects of Improper Toothbrushing
10. Auxiliary Oral Hygiene Aids
11. Nutrition/Dental Diet Assessment
12. Personal Oral Hygiene Instruction

E. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Define preventive dentistry terms.
2. Identify healthy oral tissues.
3. Describe characteristics/formation of acquired pellicle, plaque and materials.
4. Describe soft deposit prevention/removal techniques.
5. Describe disclosing agents/purpose/types/application.
6. Describe plaque index calculation.
7. Describe calculus characteristics/formation/effects/removal.
8. Describe periodontal disease and treatment.
9. Describe tooth decay causes, progression, classifications, and treatment.
10. Describe toothbrushing/flossing techniques.
11. Describe systemic and topical forms of fluoride and their effects.
12. Describe the use of fluoride supplements, mouth rinses and varnishes.
13. Identify therapies for home use in caries prevention.
14. Describe ADA dental dentifrices/toothpastes/mouthwashes/mouthrinses.
15. Describe pit and fissure sealants.
16. Describe and identify extrinsic/intrinsic/exogenous/endogenous tooth stains.
17. Define nutrition terms and identify essential nutrients.
18. Describe preventative dental diets
19. Describe and evaluate a food intake diary.
20. Develop diet prescriptions.
21. Describe oral care motivation principles.
22. Describe personal oral hygiene for special needs, English Speakers of Other Languages and Senior Citizens/Elderly Patients.
23. Develop and deliver personal oral hygiene instructions.

F. LEARNING OUTCOMES (MNTC): NA



- G. METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include but are not limited to:
1. Weekly written quizzes
 2. Written assignments: Personal Oral Hygiene Instruction: Develop an Instruction Plan, Personal Oral Hygiene Instruction: Individualized for a Dental Patient (recorded), Personal Oral Hygiene Instruction: Elementary School Classroom - Team Project, Personal Oral Hygiene Instruction: Role Play Presentation for Special Needs Group
 3. Clinical skills evaluations: Plaque Control Record, Toothbrushing, Flossing.
 4. Comprehensive Final Examination
- H. RCTC CORE OUTCOME(S). This course contributes to meeting the following RCTC Core Outcome(s): Communication. Students will communicate appropriately for their respective audiences.
- I. SPECIAL INFORMATION (if any): None