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. MnTC Goals (if any): NA

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.)

B. DATE LAST REVISED (Month, year): February, 2018

C. OUTLINE OF MAJOR CONTENT AREAS:
1. Healthy Oral Tissues
2. Soft Deposits
3. Calculus
4. Periodontal Disease
5. Decay
6. Toothbrushing
7. Flossing
8. Fluorides
9. Dentifrices/Toothpastes
10. Mouthwashes/Mouthrinses
11. Pit and Fissure Sealants
12. Stains
13. Effects of Improper Toothbrushing
14. Auxiliary Oral Hygiene Aids
15. Nutrition
16. Dental Diet Assessment
17. Special Dental Diets
18. Personal Oral Hygiene Instruction

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Demonstrate professional dental assistant traits.
2. Define preventive dentistry terms.
3. Describe healthy oral tissues.
4. Describe characteristics/formation of acquired pellicle, plaque and material alba
5. Describe soft deposit prevention/removal techniques.
6. Describe disclosing agents/purpose/types/application.
7. Describe plaque index calculation.
8. Describe calculus characteristics/formation/effects/removal.
10. Describe the effect of periodontal disease on systemic health conditions.
11. Describe risk factors for periodontal disease.
14. Describe tooth decay.
15. Describe the causes and progression and classifications of tooth decay.
16. Describe the types of tooth decay.
17. Describe tooth decay prevention techniques.
18. Describe caries risk assessment tests.
19. Describe the treatment of tooth decay.
20. Describe toothbrushing techniques.
21. Demonstrate various toothbrushing techniques.
D. LEARNING OUTCOMES (GENERAL): The student will be able to: Continued...
22. Describe toothbrush longevity and storage.
23. Describe the purpose for flossing.
24. Describe flossing techniques.
25. Demonstrate correct flossing technique.
26. Describe the effect of fluoride.
27. Describe systemic and topical forms of fluoride.
28. Describe the use of fluoride supplements, mouth rinses and varnishes.
29. Identify therapies for home use in caries prevention.
30. Describe dental dentifrices/toothpastes.
31. Describe ADA approved dentifrices.
32. Describe desensitizing/tartar control/whitening/anti gingivitis/baking soda dentifrices.
33. Describe the use of mouthwashes/mouthrinses.
34. Identify ADA recommended mouthwashes.
35. Describe pit and fissure sealants.
36. Describe extrinsic/intrinsic/exogenous/endogenous tooth stains.
37. Identify tooth deposits/stains.
38. Describe incorrect toothbrushing technique effects to gingival tissue
39. Describe incorrect tooth brushing technique effects to tooth structure.
40. Describe tooth erosion.
41. Identify auxiliary aids.
42. Describe auxiliary aid use.
43. Define nutrition terms.
44. Identify essential nutrients.
45. Define antioxidants.
46. Describe artificial sweeteners.
47. Describe food label requirements.
48. Describe daily nutritional values.
49. Describe diets in different cultures and religions.
50. Describe eating disorders.
51. Describe diet related disorders.
52. Describe the My Plate guide to eating.
53. Describe preventative dental diets
54. Describe and evaluate a food intake diary.
55. Develop diet prescriptions.
56. Describe oral care motivation principles.
57. Describe special needs patient's oral hygiene instructions.
58. Identify auxiliary aids for special needs
59. Describe denture cleaning and care.
60. Develop personal oral hygiene instructions.
61. Deliver personal oral hygiene instructions.
62. Evaluate personal oral hygiene instructions.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
1. Weekly written quizzes
2. Diet Evaluation Exercise
3. Personal Oral Hygiene Instruction: Develop an Instruction Plan
4. Personal Oral Hygiene Instruction: Individualized for a Dental Patient (Tape record)
5. Personal Oral Hygiene Instruction: Elementary School Classroom - Team Project
6. Personal Oral Hygiene Instruction: Role Play Presentation for Special Needs Group
7. (Disabled, Senior Citizen, or English for speakers of other languages) - Team Project
9. Final Exam
10. Participation
G. RCTC CORE OUTCOME(S) ADDRESSED:
☑ Communication  ☑ Global Awareness/Diversity
☐ Critical Thinking  ☐ Personal/Professional Accountability

H. SPECIAL INFORMATION (if any): None