

# DA A130: PREVENTIVE AND COMMUNITY DENTISTRY

Item	Value
Curriculum Committee Approval Date	12/02/2020
Top Code	124010 - Dental Assistant
Units	1 Total Units
Hours	18 Total Hours (Lecture Hours 18)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

## Course Description

Discussion of current concepts of preventive dentistry. Etiology of dental disease, nutrition, oral hygiene techniques, and home care are covered in detail. Applied psychology for the dental patient is presented. Includes community dental project. COREQUISITE: DA A110. Transfer Credit: CSU.

## Course Level Student Learning Outcome(s)

1. Analyze and relate the correlation among nutrition, oral physiotherapy, and etiology of dental disease to preventive dental care for the patient.

## Course Objectives

- 1. State the rationale and philosophy of preventive dentistry.
- 2. Describe the complexity of dental disease and current theories of its etiology.
- 3. Describe and recognize plaque in terms of morphology, manner of formation, and pathological implications and plan a plaque control program.
- 4. Identify the various oral physiotherapeutic aides and procedures and instruct patients in the use of oral physiotherapeutic devices.
- 5. Describe caries preventive aspects of fluoride.
- 6. Demonstrate use of automated caries detection device and materials to gather information for diagnosis by the dentist.
- 7. Discuss and describe the method of clinical dietary analysis and differentiate between cariogenic and non-cariogenic foods and drinks.
- 8. Describe and discuss reasons systemic nutrition and food factors play a role in periodontal disease
- 9. Design a comprehensive preventive program to be presented to an individual and a group.
- 10. Apply the psychology appropriate to the needs of the patient and demonstrate techniques used in preventive dentistry for the developmentally disabled.

## Lecture Content

Preventive Dentistry Introduction Why preventive dentistry The aspects of preventive dentistry Etiology of dental disease Automated caries detection device and caries detection materials Complete and Thorough

Diagnosis Dental plaque Personal oral hygiene Oral physiotherapy Disclosing agents Toothbrushes Toothbrushing technique Dental floss Oral irrigating devices Mouthwashes Interdental tips Fluorides Preventive Recall Plaque Control Instructions The control assistant Planning the plaque control program Facilitating learning The use of instructional aids Nutrition Introduction Nutritional educator Digestion, absorption, and metabolism Key nutrients Food groups Food needs of different family members Dietary evaluations Dietary counseling Major nutritional disorders for dental patients Basic nutrition concepts and assessments Special diets Soft diet Injured teeth New denture patient Supplementation Nutritional education counseling in the dental practice1 hr Applied Psychology Human behavior Psychological well being Understanding patient behavior Understanding problem/developmentally disabled patients Preventive techniques for the developmentally disabled patient

## Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)

## Instructional Techniques

1. Lecture/discussion
2. Reading assignments
3. Role-playing situations
4. Multimedia
5. Seminars/group discussion

## Reading Assignments

## Writing Assignments

1. A portion of the exams and quizzes include short answer "fill-in" to a maximum of one paragraph/question.
2. Library assignment on nutrition as it relates to dentistry.
3. Completion of written report on their community school prevention project.
4. Construction of relevant visual aid for preventive community project.

## Out-of-class Assignments

## Demonstration of Critical Thinking

1. The student will pass a written exam at a minimum of 75% competency level.
2. Student, singularly or in groups of two or more will present a preventive dentistry project to a local elementary school.
3. Completion of all reading, written assignments, and preventive visual aid.

## Required Writing, Problem Solving, Skills Demonstration

1. A portion of the exams and quizzes include short answer "fill-in" to a maximum of one paragraph/question.
2. Library assignment on nutrition as it relates to dentistry.
3. Completion of written report on their community school prevention project.
4. Construction of relevant visual aid for preventive community project.

## Textbooks Resources

1. Required Bird, Robinson. Modern Dental Assisting, Latest ed. Missouri: Elsevier Saunders, 2011 Rationale: -
2. Required Bird, Robinson. Modern Dental Assisting, Student Workbook, Latest ed. Missouri: Elsevier Saunders, 2011 Rationale: -
3. Required Bartolomucci, Boyd. Dental Instruments A Pocket Guide, Latest ed. Missouri: Elsevier Saunders, 2011