

DNA 64 Course Outline as of Fall 1981**CATALOG INFORMATION**

Dept and Nbr: DNA 64

Title: DENTAL SCIENCE II

Full Title: Dental Science II

Last Reviewed: 11/22/2021

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	17.5	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

Catalog Description:

Theory of microbiology, transmission of disease and resistance to infection. The rationale of preventive dentistry and application of fluorides. Lecture and lab provide the skills necessary for a preventive/ nutrition therapist. Emergency procedures are simulated in role-playing situations. A foundation in dental pharmacology and oral pathology.

Prerequisites/Corequisites:

DNA 61

Recommended Preparation:

Eligibility for English 100A,104 or 1A or equivalent

Limits on Enrollment:**Schedule of Classes Information:**

Description: Theory of microbiology, transmission of disease & resistance to infection; a foundation in dental pharmacology & oral pathology. (Grade Only)

Prerequisites/Corequisites: DNA 61

Recommended: Eligibility for English 100A,104 or 1A or equivalent

Limits on Enrollment:

Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area		Effective:	Inactive:
CSU GE:	Transfer Area		Effective:	Inactive:
IGETC:	Transfer Area		Effective:	Inactive:
CSU Transfer:	Transferable	Effective:	Fall 1981	Inactive:
UC Transfer:		Effective:		Inactive:

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:

1. Review asepsis and the relationship to the transmission of disease.
2. Identify various micro-organisms and compare with disease transmission
3. Describe the most common lesions found in the oral cavity.
4. Describe the process of repair.
5. Relate oral manifestations of nutritional disorders.
6. Describe the oral manifestations of AIDS.
7. Describe the routes of drug administration.
8. Discuss laws pertaining to regulation of drugs.
9. Demonstrate the care and storage of medicines used in dentistry.
10. Obtain a health history from a classmate.
11. Assist in any given medical emergency situation.
12. Develop and demonstrate a plaque control program.
13. Demonstrate toothbrushing and flossing techniques.
14. Describe the role of diet in prevention of dental disease.

Topics and Scope:

- I. Microbiology
 - A. Major classification of micro-organisms
 - B. Disease Transmission
- II. Pharmacology
 - A. Controlled Substances Act
 - B. Drug Abuse
 - C. Prescription Writing
 - D. Routes of Administration
 - E. Anxiety Controlling Agents
 - F. Analgesics
 - G. Antibiotics
- III. First Aid and Emergencies

- A. Practice Routine for Medical Emergencies
- B. Prevention - Medical Histories
- C. Diagnostic Signs
- IV. Nutrition
 - A. Nutritional Educator
 - B. Digestion, Absorption, and Metabolism
 - C. Key Nutrients
 - D. Food Groups
 - E. Special Diets
 - F. Nutritional Educational Counseling in the Dental Practice
- V. Preventive Dentistry
 - A. Dental Plaque
 - B. Personal Oral Hygiene
 - C. Diet in Dental Health
 - D. Plaque Control Programs
 - E. Fluorides
 - F. Prevention of Sport Injuries
 - G. Sealants

Assignment:

Reading assignments in texts and course syllabus

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.

Writing
0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Lab reports, Quizzes, Exams

Problem solving
30 - 75%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances, Performance exams

Skill Demonstrations
15 - 50%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Matching items, Completion

Exams
10 - 20%

Other: Includes any assessment tools that do not logically fit into the above categories.

None

Other Category
0 - 0%

Representative Textbooks and Materials:

Torres, H. & Ehrlich, A. Modern Dental Assisting. 4th Ed. W.B. Saunders, 1991

Chasteen, J. Essentials of Clinical Dental Assisting. 4th Ed. Mosby, 1991