

DE 55B Course Outline as of Fall 1997**CATALOG INFORMATION**

Dept and Nbr: DE 55B Title: DENT RADIOLOGY 2
 Full Title: Dental Radiology 2
 Last Reviewed: 2/25/2019

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	1.00	17.5	Lecture Scheduled	17.50
Minimum	2.00	Lab Scheduled	3.00	17.5	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	4.00		Contact Total	70.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 35.00

Total Student Learning Hours: 105.00

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: DNA 65B

Catalog Description:

Instruction in the advanced techniques of dental radiology, anatomical landmarks, dental anatomy pertaining to dental radiography, exposure and processing faults. Emphasis is on evaluation of the quality of the films both intra- and extra-oral. Processing and maintaining automatic processors. Knowledge of panoramic techniques and other related radiographic equipment.

Prerequisites/Corequisites:

Completion of DE 55A (formerly DNA 65A) or equivalent with grade of C or better.

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

Description: Instruction in the advance techniques of dental radiography, anatomical landmarks, dental anatomy pertaining to dental radiography, exposure & processing faults. (Grade Only)
 Prerequisites/Corequisites: Completion of DE 55A (formerly DNA 65A) or equivalent with grade of C or better.

Recommended:
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. Analyze and identify the process in which a radiograph is used in identifying dental caries, pulp disease, and bone sclerosis.
2. Demonstrate the techniques used in duplicating films to accepted dental practice standards.
3. Demonstrate the accepted technique for patient radiographic positioning, film placement, angulation, and exposure to produce radiographs to accepted dental practice standards on patients for diagnosis by a dentist.
4. Describe exposure techniques and surveys for pediatric, mixed dentition, edentulous, and special needs patients.
5. Evaluate the need and explain procedures for occlusal, lateral jaw, TMJ, panoramic, and cephalometric exposures.
6. Develop knowledge and demonstrate the ability to analyze films to correct exposure and processing errors.
7. Analyze and apply or describe techniques and considerations used for patient management when exposing patients with anatomical individual difference in size, shape or missing dentition.
8. Distinguish radiographically between normal dental anatomy and structures from possible abnormalities or pathological conditions.
9. Describe automatic processing to manufacturers' recommendations.

Topics and Scope:

- I. Quality Assurance
 - A. Quality film
 - B. Review patient and staff radiation safety procedures
- II. Mounting

- A. Care and storage of film
- III. Bisecting the Angle Technique
 - A. Advantages and disadvantages
 - B. Principles of the technique
- IV. Ownership of Radiographs
- V. Darkroom Processing Procedures
- VI. Evaluation of Radiographs
- VII. Extra-oral Techniques and Occlusal Techniques
- VIII. Radiographic Interpretation

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, Field work, 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, Field work, 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. 5th Ed. W.B. Saunders, 1996

