

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: DES 1200L

COURSE TITLE: Dental Radiology Laboratory

PREREQUISITE(S): DES 1010

COREQUISITE(S): DES 1200

CREDIT HOURS: 1

CONTACT HOURS/WEEK: 2

CONTACT HOUR BREAKDOWN:

Lecture/Discussion:

Laboratory: 2

Other _____:

FACULTY WORKLOAD POINTS: 1.6

STANDARDIZED CLASS SIZE ALLOCATION: 6

CATALOG COURSE DESCRIPTION:

The laboratory sessions are designed to perfect the student's technical skills in exposing, processing and mounting radiographic series. Intra-oral series will be exposed on training manikins and patients. Students will also learn how to duplicate radiographs and manage patient radiographic records.

SUGGESTED TEXT(S): Iannucci and Howerton, Dental Radiography Principles, Saunders, 3rd Edition, 2005

Iannucci and Lind, Radiographic Interpretation for the Dental Hygienist, Saunders, 1st Edition, 1993.

IMPLEMENTATION DATE: Fall Term, 2004 (20051)

REVIEW OR MODIFICATION DATE: Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Radiographic Equipment and Radiographic Film A. X-ray machine components B. Control panel operation C. Training mannequin D. Film speed and type E. Film composition F. Film packet	2
II. Film Processing and Mounting A. Darkroom characteristics B. Manual film processing C. Processing chemicals D. Automatic film processing E. Principles of film mounting	2
III. Paralleling Technique A. Film placement and positioning B. Film holding devices (XCP) C. Film exposure settings D. PID alignment (vertical/horizontal angulation)	6
IV. Bisecting Angle Technique A. Film placement and positioning B. Film holding devices C. Film exposure settings D. Vertical and horizontal angulation	6
V. Film Duplication and Bitewing radiographs A. Film duplication equipment B. Film duplication procedure C. Bitewing film holding devices D. PID angulation E. Film placement	2

COURSE TOPICS (CONTINUED)		CONTACT HOURS <u>PER TOPIC</u>
VI.	Patient Series (Paralleling Technique)	8
	A. Patient preparation	
	B. Infection control	
	C. Film positioning and exposure	
	D. Film processing	
VII.	Occlusal Radiographs	2
	A. Cross-Sectional technique	
	1. Patient positioning	
	2. Film position	
	3. Film exposure	
	B. Topographical technique	
	1. Patient positioning	
	2. Film position	
	3. Film exposure	
VIII.	Panoramic Radiography	2
	A. Exposure parameters	
	B. Patient Positioning	
	C. Film processing	
	Total Contact Hours	30

PROGRAM TITLE: Dental Hygiene
 COURSE TITLE: Dental Radiology Laboratory
 CIP NUMBER: 0317.010200

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

02.0 DEMONSTRATE THE ABILITY TO COMMUNICATE AND USE INTERPERSONAL SKILLS EFFECTIVELY - The student will be able to:

- 02.01 Develop basic listening skills.
- 02.02 Develop basic observational skills and related documentation strategies in written and oral form.
- 02.03 Identify characteristics of successful and unsuccessful communication including barriers.
- 02.04 Respond to verbal and non-verbal cues.
- 02.05 Compose written communication using correct spelling, grammar and format.
- 02.06 Use appropriate medical terminology and abbreviations.
- 02.07 Recognize the importance of courtesy and respect for patients and other health care workers and maintain good interpersonal relationships.
- 02.08 Recognize the importance of patient/client education regarding health care.
- 02.09 Adapt communication skills to varied levels of understanding and cultural orientation.
- 02.11 Demonstrate ability to give and follow directions.
- 02.12 Distinguish between factual reports and personal opinion.

19.0 IDENTIFY AND PERFORM DENTAL AND CARPAL RADIOGRAPHIC PROCEDURES - The student will be able to:

- 19.02 Identify parts of the X-ray machine including accessories.
- 19.03 Demonstrate radiologic health protection techniques.
- 19.04 Perform dark room/processing procedures mix solutions.
- 19.05 Place and expose dental and carpal radiographic films.
- 19.06 Identify radiographic anatomical landmarks.
- 19.07 Mount radiographic surveys.
- 19.08 Maintain unexposed film inventory and storage.

22.0 DESCRIBE THE LEGAL AND ETHICAL RESPONSIBILITIES OF THE DENTAL HEALTH CARE WORKER - The student will be able to:

- 22.02 Describe ethical considerations/obligations in the dental team-patient relationship.



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

Section 1	
COURSE PREFIX AND NUMBER: <u>DES 1200</u>	SEMESTER CREDIT HOURS: <u>1</u>
COURSE TITLE: <u>Dental Radiology Laboratory</u>	

Section 2

TYPE OF COURSE: (Click on the box to check all that apply)

<input type="checkbox"/> AA Elective	<input checked="" type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input checked="" type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____		
<input type="checkbox"/> General Education: (For General Education courses, you must also complete Section 3 and Section 7)		

Section 3 (If applicable)

INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:

<input type="checkbox"/> Communication	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Natural Sciences	<input type="checkbox"/> Humanities	

Section 4

INTELLECTUAL COMPETENCIES:

<input checked="" type="checkbox"/> Reading	<input checked="" type="checkbox"/> Speaking	<input checked="" type="checkbox"/> Critical Analysis	<input type="checkbox"/> Quantitative Skills	<input checked="" type="checkbox"/> Scientific Method of Inquiry
<input checked="" type="checkbox"/> Writing	<input checked="" type="checkbox"/> Listening	<input checked="" type="checkbox"/> Information Literacy	<input checked="" type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively

Section 5	LEARNING OUTCOMES	METHOD OF ASSESSMENT
•	Upon successful completion of this course, students will be able to place and expose dental and carpal radiographic films	Laboratory Competency
•	Upon successful completion of this course, students will be able to identify radiographic anatomical landmarks	Laboratory Competency
•	Upon successful completion of this course, students will be able to mount radiographic surveys	Laboratory Competency
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Section 6

Name of Person Completing This Form: Jeff Smith Date: 4/29/2008