

COURSE IMPLEMENTATION DATE:	January 2007
COURSE REVISED IMPLEMENTATION DATE:	January 2008
COURSE TO BE REVIEWED:	September 2009
(Four years after UPAC final approval date)	(MONTH YEAR)

OFFICIAL COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.

Shaded headings are subject to change at the discretion of the department and the material will vary
- see course syllabus available from instructor

FACULTY/DEPARTMENT:	Faculty of Science, Health and Human Services / Dental Hygiene Program	
DHYG 130		2
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS
	Radiology I	
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

Basic principles of radiation physics, generation, biology and the uses of x-radiation are introduced in this course. Students will also learn the theory behind the basic techniques of radiography for application in clinical dental hygiene.

PREREQUISITES: **DHYG 120, DHYG 160**
COREQUISITES: **DHYG 102, DHYG 121, DHYG 125, DHYG 140, DHYG 161**

SYNONYMOUS COURSE(S)	SERVICE COURSE TO:
(a) Replaces: _____ (Course #)	_____
(b) Cannot take: _____ for further credit. (Course #)	_____
	(Department/Program)
	(Department/Program)

TOTAL HOURS PER TERM:	32	TRAINING DAY-BASED INSTRUCTION
STRUCTURE OF HOURS:		LENGTH OF COURSE: _____
Lectures:	32 Hrs	HOURS PER DAY: _____
Seminar:	Hrs	
Laboratory:	Hrs	
Field Experience:	Hrs	
Student Directed Learning:	Hrs	
Other (Specify):	Hrs	

MAXIMUM ENROLLMENT:	16
EXPECTED FREQUENCY OF COURSE OFFERINGS:	Winter term, 1st year only
WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

AUTHORIZATION SIGNATURES:

Course Designer(s): _____ Shauna Warner	Chairperson: _____ Rosie Friesen (<i>Curriculum Committee</i>)
Department Head: _____ Wanda Gordon	Dean: _____ Jackie Snodgrass
PAC Approval in Principle Date: _____	PAC Final Approval Date: Feb. 1, 2008

LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:

The student will be able to:

1. Understand the basic principles of radiation biology and the uses of x-radiation in dentistry in regards to x-ray generation and radiation protection, in order to provide a safe environment and optimum radiographic images for interpretation.
2. Identify features of root morphology that relate to the identification and differentiation of teeth
3. Understand the variations in structure that may affect the provision of dental hygiene care.
4. Understand this base knowledge required for further study in the dental sciences.

METHODS:

Lecture
Group work
Discussion
Case analysis
Video

PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Credit can be awarded for this course through PLAR (Please check:) Yes No

METHODS OF OBTAINING PLAR:

Challenge Exam

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

Haring & Jansen, (2000), Dental Radiography: Principles and Techniques (2nd Ed.). Philadelphia: W.B. Sanders Company

Langland, O. and Langlois, R. (1997 or most recent), Principles of Dental Imaging, Baltimore, Maryland: Williams & Wilkins

UCFV Course Pack DHYG 130

SUPPLIES / MATERIALS:

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

The final grade for this course will be assigned based on the following:

Group Assignment	10%
Midterm Exam	40%
Final Exam	50%

UCFV letter grading system will be used. A passing grade is 70% (B-)

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

Main themes/ Critical Elements are:

1. The basic principles of radiation biology and the uses of x-radiation in dentistry and medicine
2. The concepts of x-radiation generation and radiation protection
3. Radiographic imaging, including films, technique, distance factors, and film processing
4. Anatomical structures and landmarks visible on dental radiographs
5. Infection control in radiography