SPC St. Petersburg College
COLLEGE OF HEALTH SCIENCES

Radiography Program
RTE 1513C

RADIOGRAPHIC PROCEDURES II COURSE SYLLABUS

COURSE DESCRIPTION:

Prerequisites: RTE 1503C. This course is a study of radiographic anatomy, physiology, and positioning of radiologic examinations of the skull and facial bones. Procedures requiring the use of contrast materials within the digestive system, and urinary system, as well as the pharmacology of contrast agents will also be studied. 47 contact hours.

REQUIRED TEXT:

Bontrager, Phillip W. and Anthony, Barry; Radiographic Positioning and Related Anatomy, Eighth Edition, Elsevier-Mosby Co. St. Louis, MO., 2005.

OFFICE HOURS:

I am available for outside assistance to any student. This may be achieved by making an appointment according to my designated office hours that are posted on my office door.

GRADING SYSTEM:

Three unit tests, several quizzes, and one cumulative final examination will be administered in this course. The approximate weight for each testing tool and the grading scale is as follows:

Weight:			Scale:					
	Quizzes	100		92	to	100	=	A
	Tests	300		84	to	91	=	B
	Final	100		75	to	83	=	C
	Total Points	500		70	to	74	=	D
				Below 70			=	F

Any questions or concerns regarding the grading of a particular quiz or test must be brought to the instructor's attention within one week after the quiz or test has been returned to the students. All quizzes and tests will be collected and kept by the instructor. During the review of the quiz or test, all recording devices must be turned off.

All make-up quizzes or tests must be completed within one week of the students return to class. Also, any curves or extra credit questions will not apply to make-up quizzes or tests.

ABSENCE POLICY:

Due to the concentrated curriculum in RTE 1503C, it is imperative to attend all scheduled classes. Failure to attend classes will result in final grades being lowered according to the following scale:

10% or less	No change in grade
11 to 20%	Down one letter grade
More than 20%	Down two letter grades
More than 30%	An automatic course grade of **F** will be issued

WITHDRAWAL POLICY:

Students who do not meet the attendance requirements of their respective program prior to the 60% point will be given a choice of either voluntarily withdrawing or receiving a grade of F in the course. Students who do not meet the attendance requirements after the 60% point will be given an F in the course. Students who are not actively participating in class as determined by the instructor after the 60 percent point of the term will automatically receive a grade of "WF." At any point in the course, when the attendance requirements have not been met the student can no longer attend the respective course and any co-requisites to the course.

LEARNING OUTCOMES:

A. Major Learning Outcomes:

1. The student will demonstrate knowledge of the radiographic anatomy and physiology of the skull, facial bones, digestive system and urinary system.

2. The student will identify positioning considerations for radiographic procedures.

3. The student will understand the physiologic processes that are related to the radiographic positioning and procedures of the skull, facial bones, digestive system and urinary system.

4. The student will define the categories of contrast agents and give specific examples of each category.

5. The student will select appropriate equipment for patient protection and optimum image quality when positioning live models for the radiographic examinations for the skull, facial bones, digestive system and urinary system.

B. Course Objectives Stated in Performance Terms:

1. The student will demonstrate knowledge of radiographic anatomy of the skull, facial bones, digestive system and urinary system by:

a. applying knowledge of word roots, prefixes and suffixes to build and define medical terms.

b. defining anatomical and physiological terms on the unit vocabulary list for each body system.

c. describing the major anatomical structures for each body system on radiographs.

d. identifying major anatomical structures for each body system on radiographs and drawings.

2. The student will identify positioning considerations for radiographic procedures by:

a. identifying and describing radiographic procedures that are utilized to demonstrate specific anatomical structures for each body system.

b. stating specific projections required for each examination.

c. describing the position of the patient, tube, image receptor and central ray for each projection.

d. recognizing the need for proper image ID and marking.

e. describing the use of ancillary equipment such as sponges, lead blockers and grids in positioning.

f. describing means for protecting the patient from unnecessary exposure to ionizing radiation.

3. The student will understand the physiologic processes that are related to the radiographic positioning and procedures of the skull, facial bones, digestive system and urinary system by explaining how the physiology of skull, facial bones, digestive system and urinary system is related to its radiographic appearance.

4. The student will define the categories of contrast agents and give specific examples of each category by:

a. describing possible patient reactions to contrast materials.

b. recognizing the signs of a contrast reaction in a patient.

c. identifying the different contrast agents used for various radiographic studies.

d. describing the methods and techniques for the administration of various types of contrast agents.

5. The student will select appropriate equipment for patient protection and optimum image quality when positioning live models for the radiographic examinations of the skull, facial bones, digestive system and urinary system by:

    a. using the appropriate source image distance.

    b. using the proper central ray location.

    c. using the proper accessory devices.

    d. using shielding and collimation to protect patients from unnecessary exposure to ionizing radiation.

C. Criteria Performance Standard:

Upon successful completion of the course the student will, with a minimum of 75% accuracy, demonstrate mastery of each of the above stated objectives through classroom measures developed by individual course instructors.

ACCOMODATIONS:

St. Petersburg College recognizes the importance of equal access for all students. Accessibility Services is the campus office that works with students who have disabilities to provide and/or arrange reasonable accommodations. Instructors may not grant accommodations without proper documentation from the Office. Students registered with Accessibility Services, who have a letter requesting accommodations, are encouraged to contact the instructor early in the semester. Students who have, or think they may have, a disability (e.g. learning disability, ADD/ADHD, psychiatric, medical/orthopedic, vision, and/or hearing), are invited to contact Accessibility Services for a confidential discussion at 727-341-3721 (V/TTY) or at silvers.stefanie@spcollege.edu. Additional information is available at the college-wide Accessibility Services website:
http://www.spcollege.edu/accessibility/

SYLLABUS ADDENDUM:

For college-wide information on success factors and accessibility services, student expectations including academic honesty, safety and security, and student concerns please refer to the following syllabus addendum link:
http://www.spcollege.edu/addendum/