

JEFFERSON COLLEGE

COURSE SYLLABUS

RAD182

Introduction to Advanced Imaging Modalities

RAD182 Introduction to Advanced Imaging Modalities

- ii. Applications
- 5. Positron Emission Tomography (PET)
 - i. Basic Principles
 - ii. Applications
- 6. Contrast Arthrography
 - i. Basic Principles
 - ii. Applications
- 7. Magnetic Resonance Imaging (MRI)
 - i. Basic Principles
 - ii. Applications
- 8. Mammography
 - i. Basic Principles
 - ii. Applications
- 9. Diagnostic Ultrasound
 - i. Basic Principles
 - ii. Applications
- 10. Radiation Oncology
 - i. Basic Principles
 - ii. Applications
- 11. Medical Dosimetry
 - i. Basic Principles
 - ii. Applications
- 12. Bone Densitometry
 - i. Basic Principles
 - ii. Applications

IV. METHOD(S) OF INSTRUCTION

STATION 2 (r) 1700 TO 610 LIBRARY & MCDC

VII. SUPPLEMENTAL REFERENCES

- A. Class Handouts
- B. Library Resources
 - 1. Textbooks
 - 2. Periodicals
 - 3. Films On Demand Videos
- C. Internet Resources
 - 1. On-line references
 - 2. Textbook companion website

VIII. METHOD OF EVALUATION (basis for determining course grade)

GRADES—Grades will be based on the percentage of total points earned out of total points possible for this semester. The assignments will vary in the number of possible points based upon amount of work involved and complexity of material. The student should be aware that proofreading and revision are extremely important when preparing homework. All writing assignments submitted for grading should be final drafts.

EXAMS All exams with scores less than 75% must be retaken until a score of 75% or above is achieved to complete course requirements. The original score will be used to figure the semester grade. The student will be allowed to retake an exam a maximum of two times. If the student has not passed an exam within the three designated attempts, the student will present to the review board and may be dismissed from the program. The student must contact the instructor prior to any absence to make arrangements for retesting. Until course requirements are met the final grade will be an incomplete.

If an exam is not taken at the scheduled time and arrangements for a make-up exam have not been made prior to the designated exam time, the grade for that exam will be zero. **No make-up exam will be considered unless the instructor is personally notified prior to the absence.** If a student arranges to take the exam at other than the scheduled time, 5% will be deducted from the grade on that exam. Make-up exams are scheduled at the convenience of the instructor.

ASSIGNMENTS—In order to be prepared for each class meeting, the student should complete each homework assignment prior to the following class meeting. Assignments will consist of worksheets, textbook reading, review questions and other activities to enhance the learning experience.

Evaluation tools will include research projects, written and oral communication projects, class attendance/participation, homework assignments, and exams.

All assignments must be typewritten and are due at the beginning of class on the assigned due dates. Late assignments will not be accepted. In-class quizzes and assignments cannot be made up.

Grading Scale: (*Jefferson College Radiologic Technology Program's*)

- A= 100-92%
- B= 91.9-86%
- C= 85.9-80%
- D= 79.9-70%
- F= 69.9 and below
- I= Incomplete