

Syllabus

Course Code: RADT 267

Title: Advanced Imaging Procedures

Institute: Health Science

Department: Radiologic Technology

Course Description: This course covers positioning terminology, anatomy, and procedure protocols for the skull and related anatomy, special procedures, including mammography, female imaging, bone density, and vascular imaging topics. Students will demonstrate skull and related procedures, as well as CT procedures and terminal (graduate) competency evaluations in the clinical setting.

Prerequisites: RADT 250, RADT 251, and RADT 252

Corequisites: RADT 255 and RADT 256

Prerequisites or corequisites:

Credits: 7

Lecture Hours: 2

Lab 1 /Studio Hours: 3

Required Textbook/Materials:

1. Frank, Eugene, Long, Bruce, Smith Barbara. Merrill's Atlas of Radiographic Positions and Radiologic Procedures, 3 Volume set, 12th edition, 2012, Mosby.
2. Frank, Eugene, Long, Bruce, Smith, Barbara. Merrill's Atlas of Radiographic Positions and Radiologic Procedures, Workbook set, 12th edition, 2012, Mosby.
3. MRO Merrill's Atlas of Radiologic Positions and Radiologic Procedures, Online Course, Mosby.
4. Frank, Eugene, Long, Bruce, Smith, Barbara. Merrill's *Pocket Guide to Radiography*, 12th Edition, 2011, Mosby
5. Handouts posted on CANVAS

Additional Time Requirements: For information on Brookdale's policy on credit hour requirements and outside class student work refer to [Academic Credit Hour Policy](#). Additional time maybe required in the lab or other facilities. i.e. projects or research.

(Identify open lab or other activities that are required if applicable)

Additional Support/Labs:

See <https://www.brookdalecc.edu/academic-tutoring/>

Course Learning Outcomes: Upon completion of this course, students will be able to:

1. Conduct activities that ensure safe and effective patient management.
2. Perform imaging procedures within standard protocols to create diagnostic images.
3. Protect the safety of patients, peers and self.
4. Work effectively as an interdisciplinary team member.

Course Content:

1. Skull Radiography
 - A. Skull anatomy
 - B. Positioning routine procedures and special views
2. Special Imaging Procedure
 - A. Vascular
 - B. Male and Female procedures
3. Terminal (graduate) competency evaluations (8)

Department Policies: See RADT Student Handbook for all policies

Grading Standard:

In addition to the Academic Progress Policy in the Brookdale Radiologic Technology Student Handbook, the following policies apply to RADT 267.

1. Upon completion of the units as indicated on the course calendar, students will be given a written test based on the unit objectives. Unit grades will be determined as follows:

A	94-100
A-	90-93.99
B+	87-89.99
B	84-86.99
B-	81-83.99
C+	78-80.99
<u>C</u>	<u>74-77.99</u>
D	65-73.99
F	64 or below

2. The course grade will be derived as follows:

Lecture

On-line Quizzes (5)	5%	(*1 quiz out of 6 dropped)
Discussion (10)	5%	
Unit I Exam	10%	
Unit II Exam	10%	
Unit III Exam	10%	
Final Exam	<u>20%</u>	

Total for Lecture

60%

Lab/Clinical**

Clinical Performance Eval.

Image Evaluations (2)

Lab Evaluations (9+1) 5%

Initial Clinical Competency Eval (ICCE) (8)** 5%

Terminal (graduate) competency evaluations 10%

Continuing Clinical Competency Eval.(3)** 5%

Area Competencies (2) *

Clinical Site Evaluation (1)*

Action Plan and Clinical Goals (1)*

Total for clinical

40%

Total

100%

* Must be completed and submitted to receive a course grade.

** Any evaluation not successfully completed must be repeated and completed on same procedure and submitted to receive credit for evaluation category.

There will be no rounding of grades.

** All laboratory and clinical evaluations must be successfully completed by March 28/2025 to receive credit for evaluation category. A zero will be assigned to grade category for final course calculation. Lecture and Clinical

sections must both have a passing grade to be successful in this course.

3. The following clinical assignments must be completed in order to pass this course.

- Clinical Performance Evaluation (1) = 2.3
- Image Evaluations (2)
- Laboratory Evaluations (9+1)
- Continuing Evaluations (3)
- Initial Category Competency Evaluations (8)
- Terminal (graduate) competency (8)
- Area Competencies (2)
- Clinical Site
Evaluation (1)
- Action Plan &
Clinical Goals (1)

4. All students are required to meet examination schedule requirements as stated on the course calendar. Any student who is unable to meet this schedule must speak personally to the instructor responsible for the examination at least 24 hours prior to the exam deadline. The student may not report to the Testing Center without written permission of the instructor.
5. Students have the opportunity to review exams on-line. Unit exams may be reviewed on-line for a **two-week period** following the examination. Quizzes may be reviewed on-line for **one week** after completion.
6. All College Laboratory skills and all assignments must be completed prior to taking the final course examination.
7. The final examination is a comprehensive exam covering all course objectives.
8. Students must pass both lecture and clinical separately to pass the course. Students who do not achieve a course grade of 74% will fail the course.
9. Students may review the final examination by appointment during the first week of the long semester term after the examination is taken.
10. All remediation skills must be successfully completed prior to the end of the semester.

College Policies:

As an academic institution, Brookdale facilitates the free exchange of ideas, upholds the virtues of civil discourse, and honors diverse perspectives informed by credible sources. Our College

values all students and strives for inclusion and safety regardless of a student's disability, age, sex, gender identity, sexual orientation, race, ethnicity, country of origin, immigration status, religious affiliation, political orientation, socioeconomic standing, and veteran status. For additional information, support services, and engagement opportunities, please visit www.brookdalecc.edu/support.

For information regarding:

- Academic Integrity Code
- Student Conduct Code
- Student Grade Appeal Process

Please refer to the [Student Handbook](#) and [Catalog](#).

Notification for Students with Disabilities:

Brookdale Community College offers reasonable accommodations and/or services to persons with disabilities. Students with disabilities who wish to self-identify must contact the Accessibility Services Office at 732-224-2730 (voice) or 732-842-4211 (TTY) to provide appropriate documentation of the disability and request specific accommodations or services. If a student qualifies, reasonable accommodations and/or services, which are appropriate for the college level and are recommended in the documentation, can be approved.

Mental Health:

24/7/365 Resources:

- Monmouth Medical Center Psychiatric Emergency Services at **(732) 923-6999**
- 2nd Floor Youth Helpline – Available to talk with you about any problem, distress, or hardship you are experiencing. Call or text at **888-222-2228** or visit the website at <https://www.2ndfloor.org/>

Faculty Counselors:

- Students who need to make an appointment with a faculty counselor can do so by calling 732-224-1822 (non-emergency line) during business hours. Faculty counselors are licensed mental health professionals who can assist students and refer them to other mental health resources.

Diversity Statement:

Brookdale Community College fosters an environment of inclusion and belonging. We promote a safe and open culture, encourage dialogue respecting diverse perspectives informed by credible sources, and uphold the virtues of civil discourse. We celebrate all identities with the understanding that ultimately, diversity, equity, and inclusion cultivate belonging and make us a stronger Brookdale community.

**The syllabus is intended to give student guidance in what may be covered during the semester and will be followed as closely as possible. However, the faculty member reserves the right to modify, supplement, and make changes as the need arise.*