

Course Number and Title: RAD 162 Clinical Radiography III

Campus Location:

Georgetown, Wilmington

Effective Date:

2021-51

Prerequisite:

BIO 121 and RAD 161

Co-Requisites:

none

Course Credits and Hours:

5.00 credits

0.00 lecture hours/week

24.00 lab hours/week

Course Description:

This clinical course continues to provide the student with exposure to the practice of radiography and takes place in various diagnostic imaging departments. The student develops and refines skills in patient management, equipment manipulation, positioning, technical factors selection, and image evaluation.

Required Text(s):

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

Additional Materials:

Radiologic Technology Student Handbook Separate instructor handouts and assignments

Schedule Type:

Classroom Course

Disclaimer:

In order to achieve the maximum benefit from this course of instruction, the student is responsible for attending scheduled classes, completing all readings and instructor assignments, and actively participating in class discussion and activities. All procedures in which the student participates are under direct supervision until competency has been achieved.

Core Course Performance Objectives (CCPOs):

1. Integrate learned didactic and laboratory principles in the clinical setting. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 3, 4)
2. Complete competency requirements for radiographic procedures. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 3, 4)
3. Incorporate the use of effective and appropriate written, oral, and nonverbal communication with patients, the public, and members of the healthcare team in the clinical setting. (CCC 1, 2, 3, 4; PGC 1, 2, 3, 4)
4. Integrate appropriate personal and professional values into clinical practice. (CCC 1, 2, 3, 4; PGC 1, 2, 3, 4)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

Measurable Performance Objectives (MPOs):

Upon completion of this course, the student will:

1. Integrate learned didactic and laboratory principles in the clinical setting.
 1. Successfully perform radiographic procedures under direct supervision as outlined in the latest Joint Review Commission on Education in Radiologic Technology (JRCERT) STANDARDS in areas where competency has not been achieved.
 2. Successfully perform radiographic procedures under indirect supervision as outlined in the latest JRCERT STANDARDS in areas where competency has been achieved.
 3. Collimate accurately to the image size or smaller.
 4. Use gonadal shielding for the patient, when applicable.
 5. Correctly use identification markers.
 6. Set safe and diagnostic exposure factors.
 7. Demonstrate use of equipment and accessory devices.
 8. Use appropriate infection control strategies for patient, self, and others.
2. Complete competency requirements for radiographic procedures.
 1. Demonstrate organization in preparing the patient and the room for a successful exam; remain with task until completion.
 2. Complete required competencies for the semester as outlined on the Radiography Clinical Competency Requirements checklist.
 3. Demonstrate initiative when observing, assisting, or performing procedures.
 4. Critique radiographic images for appropriate anatomy, image quality, and patient identification.
 5. Determine corrective measures to improve inadequate images.
 6. Maintain and appropriately implement data recorded in a clinical notebook.
3. Incorporate the use of effective and appropriate written, oral, and nonverbal communication with patients, the public, and members of the healthcare team in the clinical setting.
 1. Critique images with instructor, technologist, or radiologist to ensure optimal diagnostic images.
 2. Demonstrate ability to provide comfort, safety, and privacy for the patient.
 3. Recognize and demonstrate respect for authority.
 4. Obtain patient history and other pertinent patient information and document appropriately.
 5. Use patient and family education strategies appropriate to the comprehension level of the patient and family.
4. Integrate appropriate personal and professional values into clinical practice.
 1. Organize and distribute supplies as required in the department for appropriate patient care.
 2. Maintain patient confidentiality standards, and meet Health Insurance Portability and Accountability Act (HIPAA) requirements.
 3. Report to clinic appropriately equipped and attired as defined in the student handbook.
 4. Use professional behavior and judgment.
 5. Use constructive criticism as a source for improvement.
 6. Demonstrate enthusiasm towards clinical education by being productive and proactively performing exams.
 7. Adhere to team practice concepts that focus on organizational theories, roles of team members, and conflict resolution.
 8. Meet attendance standards and abide by all other guidelines as outlined in the Radiologic Technology Student Handbook.

Evaluation Criteria/Policies:

The grade will be determined using the Delaware Tech grading system:

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
0	-	69	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

Core Curriculum Competencies (CCCs are the competencies every graduate will develop):

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):

1. Demonstrate clinical competence by performing a full range of radiologic procedures on all patient populations.
2. Professionally utilize verbal, nonverbal and written communication in patient care intervention and professional relationships.
3. Demonstrate professional growth and development by practicing the profession's code of ethics and comply with the profession's scope of practice.
4. Demonstrate critical thinking and problem solving skills in the performance of radiographic procedures.

Disabilities Support Statement:

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.

