



Course Number and Title: RAD 250 Radiographic Pathology

Campus Location:

Georgetown, Wilmington

Effective Date:

2018-51

Prerequisite:

RAD 260

Co-Requisites:

none

Course Credits and Hours:

2.00 credits

2.00 lecture hours/week

0.00 lab hours/week

Course Description:

This course introduces disease concepts and various radiographic procedures related to pathology.

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:

None

Core Course Performance Objectives (CCPOs):

1. Define basic terminology and concepts related to pathology. (CCC 3, 6; PGC 1, 4)
2. Examine skeletal and traumatic diseases as they apply to radiology. (CCC 1, 2, 3, 4, 5; PGC 1, 2, 3, 4)
3. Classify diseases by system, and correlate them with radiographic procedures. (CCC 1, 2, 3, 4, 5; 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. Define basic terminology and concepts related to pathology.
 1. Define common terminology associated with the study of disease.
 2. Categorize the classifications of disease.
 3. Differentiate between signs and symptoms.
 4. Distinguish between disease diagnosis and prognosis.
 5. Cite characteristics that distinguish benign from malignant neoplasms.
 6. Describe the system used to stage malignant tumors.
 7. Identify predisposing factors that may contribute to disease.
2. Examine skeletal and traumatic diseases as they apply to radiology.
 1. Identify and classify various types of skeletal fractures.
 2. Describe examples/sites, complications, and prognosis for classifications of trauma.
 3. Describe the healing process associated with skeletal trauma.
 4. Explain the role of various imaging modalities in the evaluation and treatment of traumatic injuries.
3. Classify diseases by system, and correlate them with radiographic procedures.
 1. Define the anatomic components of each system.
 2. Identify and explain the criteria for assessing technical adequacy of various pathologies.
 3. Describe the various systemic classifications of disease in terms of etiology, types, common sites, complications, and prognosis.
 4. Explain the role of various imaging modalities in the diagnosis and treatment of various pathologies.
 5. Classify diseases as additive or destructive.

Evaluation Criteria/Policies:

Students must demonstrate proficiency on all CCPOs at a minimal 75 percent level to successfully complete the course. The grade will be determined using the Delaware Tech grading system:

92	-	100	=	A
83	-	91	=	B
75	-	82	=	C
0	-	74	=	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.

Final Course Grade:

Calculated using the following weighted average

Evaluation Measure	Percentage of final grade
Exams (4)	85%
Quizzes (formative)	5%
Pathology Case Studies	10%
TOTAL	100%

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.