



INSTRUCTIONAL PACKAGE

RAD 205

Radiographic Pathology

Effective Term

Fall 2024/Spring 2025/Summer 2025

INSTRUCTIONAL PACKAGE

Part I: Course Information

Effective Term: Fall 2024/Spring 2025/Summer 2025

COURSE PREFIX: RAD 205

COURSE TITLE: Radiographic Pathology

CONTACT HOURS: 2

CREDIT HOURS: 2

RATIONALE FOR THE COURSE:

This course is a survey of disease processes significant to the radiographer, including etiology, diagnosis, prognosis and treatment.

COURSE DESCRIPTION:

This is a required course for the senior radiology student. Recognizing radiographic pathology and adjusting technique is an important aspect of everyday patient care.

PREREQUISITES/CO-REQUISITES: RAD 136

REQUIRED MATERIALS:

Please visit the [BOOKSTORE](#) online site for most current textbook information.

Enter the semester, course prefix, number and section when prompted and you will be linked to the correct textbook.

1. *Comprehensive Radiographic Pathology*-8th Edition
By Ronald L.Eisenberg and Nancy M. Johnson
2. *Comprehensive Radiographic Pathology Workbook*- 8th Edition

TECHNICAL REQUIREMENTS:

Access to Desire2Learn (D2L), HGTC's learning management system (LMS) used for course materials.

Access to myHGTC portal for student self-services.

College email access – this is the college's primary official form of communication.

STUDENT IDENTIFICATION VERIFICATION:

Students enrolled in online courses will be required to participate in a minimum of one (1) proctored assignment and/or one (1) virtual event to support student identification verification. Please refer to your Instructor Information Sheet for information regarding this requirement.

CLASSROOM ETIQUETTE:

As a matter of courtesy to other students and your professor, please turn off cell phones and other communication/entertainment devices before class begins. If you are monitoring for an emergency, please notify your professor prior to class and switch cell phone ringers to vibrate. Use of electronic devices other than for academic participation will result in the student being asked to leave the classroom and count as one absence. **Audio and/or Video recording is prohibited unless authorized by the instructor.**

Demonstrating the following qualities will uphold the integrity of the learning environment:

1. Arrive on time to class.
2. Bring the materials needed for class.
3. **Turn off cell phones and texting devices at the beginning of class.** First incident you will be asked to leave the classroom and be charged an absence and a written warning for insubordination. A second incident will result in a final written warning. A third incident is grounds for dismissal.
4. Use of personal laptops/computers will relate to classroom activities only and will be for note taking.
5. Create appropriate emails from your HGTC email account. Contact Ms. Mocarski at the following email address; casey.mocarski@hgtc.edu
6. Be attentive in class. Be respectful of your fellow classmates, Professors and Clinical instructors. You are entering **Professional Career path**. **We are all here for the same reason: For you to be successful in this program.**
7. Dress appropriately.
8. Stay the entire class.
9. **Do the work and avoid excuses/complaints.**
10. Use professional language and **avoid sarcastic and inappropriate comments.**
11. Take your own notes and do your own work.
12. **Avoid asking inappropriate or thoughtless questions.** (Example: "What's on the test?" "Are we getting out early?").

Abide by the honor and conduct code of HGTC as outlined in the College.

Class Preparation: This Instructional Pkg. is subject to change; however, every effort will be made to adhere to it. This is an intense course with many new concepts. Some concepts will be easy while others will take more thought. Reading the chapters prior to class is a must. I will try to present the material as simply as possible. Everyone learns differently and at a different pace. If you see a classmate struggling with a concept, offer to help them better understand after class and vice-versa. **You must take the responsibility for your own learning!**

NETIQUETTE: is the term commonly used to refer to conventions adopted by Internet users on the web, mailing lists, public forums, and in live chat focused on online communications etiquette. For more information regarding Netiquette expectations for distance learning courses, please visit [Online Netiquette](#).

Part II: Student Learning Outcomes

COURSE LEARNING OUTCOMES and ASSESSMENTS*:

Module #1- Week 1-4

Materials Covered: Textbook- Ch 1 (Introduction to Pathology), Ch 2 (Specialized Imaging Techniques)- Ch 3 (Respiratory System) and Workbook
*Assessment(s): Complete class/workbook review activity, Unit Test

Learning Outcomes:

1. Classify the more common diseases in terms of their attenuation to x-rays.
2. Explain the changes in technical factors required for obtaining optimal quality radiographic images.
3. Differentiate inflammation, edema, infarction, hemorrhage and neoplasia.
4. Describe precautions necessary when taking radiographs of patient with any body fluid precaution.
5. Review specialized imaging techniques not commonly performed in the diagnostic arena.
6. Locate placement of various medical tubes and lines
7. Describe the anatomy and the physiology of the respiratory system
8. Differentiate the more common diseases affecting the respiratory system and their radiographic manifestation.
9. Describe necessary position modifications for pathologic processes.
10. Illustrate common diseases processes and necessary radiographic adjustments

Module #2- Weeks 5-7

Materials Covered: Textbook- Ch 4-Skeletal System and Workbook and Ch 5-Gastrointestinal System

*Assessment(s): Complete class/workbook review activity, Unit Test

Learning Outcomes:

1. Classify the more common skeletal diseases in terms of their attenuation to x-rays.
2. Describe the anatomy and the physiology of the skeletal system
3. Differentiate the more common diseases affecting the skeletal system and their radiographic manifestation.
4. Describe necessary position modifications for pathologic processes.
5. Acknowledge patients' conditions and offer appropriate compassion and care during the radiographic procedure.
6. Classify the more common Gastrointestinal system diseases in terms of their

Module #3- Weeks 8-10

Materials Covered: Textbook- Ch 6- Urinary System

*Assessment(s): Complete class/workbook review activity.

Unit Test

Learning Outcomes:

1. Classify the more common diseases in terms of their attenuation of x-rays
2. Explain the changes in technical factors required for obtaining optimal quality radiographs in patients with various underlying pathologic conditions
3. Define and describe all boldface terms in the chapter
4. Describe the anatomy and physiology of the urinary system
5. Identify anatomic structures on diagrams and radiographs of the urinary system

Module #4- Weeks 11 and 12

Materials Covered: Textbook- Ch 7-Cardiovascular system -11 Reproductive system

*Assessment(s): Complete class/workbook review activity.

Unit Test

Learning Outcomes:

1. Classify the more common cardiovascular and reproductive system diseases in terms of their attenuation to x-rays.
2. Describe the anatomy and the physiology of the various system
- 2 3. Differentiate the more common diseases affecting the various systems and the radiographic manifestation.
4. Describe necessary position modifications for pathologic processes.
5. Apply technical factors to obtain optimal quality radiographs of the various systems.

Module #5- Weeks 13-15

Materials Covered: Textbook- Ch 8-Nervous System), 9- Hematopoietic and 12-Miscellaneous Diseases)

Assessment(s): Complete class/workbook review activity, Unit Test

Learning Outcomes:

1. Classify the more common diseases in terms of their attenuation of x-rays
2. Explain the changes in technical factors required for obtaining optimal quality radiographs in patients with various underlying pathologic conditions
3. Define and describe all boldface terms in the chapter
4. Describe the anatomy and physiology of the urinary system
5. Identify anatomic structures on diagrams and radiographs of the urinary system

****Students – please refer to the Instructor’s Course Information sheet for specific information on assessments and due dates.***

Part III: Grading and Assessment

EVALUATION OF REQUIRED COURSE MEASURES/ARTIFACTS*:

Students’ performance will be assessed, and the weight associated with the various measures/artifacts are listed below.

EVALUATION*

Tests	65%
Assignments/Quizzes	15%
<u>Final Exam</u>	<u>20%</u>
	100%

****Students, for the specific number and type of evaluations, please refer to the***

Instructor's Course Information Sheet.

GRADING SYSTEM:

State the College's or departmental grading system as delineated in the Catalog. Please note the College adheres to a 10-point grading scale A = 100 – 90, B = 89- 80, C = 79 – 70, D = 69 – 60, F = 59 and below.

Due to the nature of this program the grading scale is as follows: A= 100 -- 92, B= 91 – 83, C= 82 – 74, D= 73 –65, and F= 64 and below. Achievement of total points equaling a “C” or higher is required to pass each course and progress within the program. Scores on individual weighted components are not rounded but calculated to the 100th place. Calculation of the final score is NOT rounded. As an example, a final calculation of 73.99 will NOT be rounded to a 74.

Grades earned in courses impact academic progression and financial aid status. Before withdrawing from a course, be sure to talk with your instructor and financial aid counselor about the implications of that course of action. Ds, Fs, Ws, WFs and Is also negatively impact academic progression and financial aid status.

The Add/Drop Period is the first 5 days of the semester for **full term** classes. Add/Drop periods are shorter for accelerated format courses. Please refer to the [academic calendar](#) for deadlines for add/drop. You must attend at least one meeting of all of your classes during that period. If you do not, you will be dropped from the course(s) and your Financial Aid will be reduced accordingly.

Grade Release Policy

1. Test/quiz grades will be released within 24 to 48 hours after instructor has completed their testing analysis.
 - a. Final Examination grades will NOT be released until ALL finals are completed for the semester in the Radiologic Technology program.
 - b. Testing analysis will be performed after all students complete the examination.
2. Should a student have any questions regarding their test/quiz results, they are to make an appointment with the instructor within 1 week of receiving the grade.
3. If a student receives an 80 or below, they are to make an appointment with the instructor and/or peer tutor to make sure they fully understand the material they were tested on. These classes are designed to build upon previous material taught, so it is in the student's best interest to understand the material now to be successful throughout the program.
- 4.

TESTING:

Tests will be in a computer lab and quizzes will be on the class computers. Please refer to the Course information sheet for Room assignments on test/quiz days.

1. When students enter the classroom on testing day, whether it be for a test or quiz, they are to put all of their belongings in the front of the classroom. This includes but not limited to personal computers, smart watches, cell phones, backpacks, water bottles, etc.
 - a. Any student caught with any of these items will receive a Final Written warning and will receive a ZERO for the day's test/quiz.
2. Students are to ONLY use classroom computers for all quizzes unless otherwise instructed. Examinations may be in a computer lab or on the radiology classroom computers. Instructions to be provided by Course Instructor.
 - a. Prior to the test starting, all students will lift their laptops and show the instructor the laptop from all angles one by one. If any signs of academic dishonesty are found upon inspection, the student will receive a ZERO for this test/quiz and may be dismissed from the program.
 - b. When in a computer lab for testing, students will be asked to lift their keyboards and mouse pads one by one. If any signs of academic dishonesty are found upon inspection, the student will receive a ZERO for this test and may be dismissed from the program.
3. All tests and quizzes will utilize the Respondus Lockdown Browser.
 - a. Students will have to download Respondus Lockdown Browser on their computers.
4. Students will only be able to have a pen/pencil and a scrap sheet of paper.
 - a. Instructors will give a scrap piece of paper once the test/quiz has begun.
 - b. Academic dishonesty policy will be at the top of each scrap piece of paper. Students will have to print their name at the top of the paper, write the date and test number. Students will also have to sign the scrap piece of paper indicating they read the policy and will adhere to the policy.
 - c. Students will have to turn in paper before leaving the classroom, failure to do so will result in a ZERO for the test/quiz that day and a Final Written warning.
5. Upon completion of test/quiz students will not be allowed to see any missed questions.
 - a. Should students want to see what they missed, the student needs to make an appointment with the instructor to see the examination within 1 week.
6. After completion of a test, students must leave classroom and are unable to return until everyone has completed the examination.
7. After completion of a quiz, students must remain in their seats, close laptop, and wait for further instructions from the instructor.

Part IV: Attendance

Horry-Georgetown Technical College maintains a general attendance policy requiring students to be present for a minimum of 80 percent (80%) of their classes in order to receive credit for any course. Due to the varied nature of courses taught at the college, some faculty may require up to 90 percent (90%) attendance. Pursuant to 34 Code of Federal Regulations 228.22 - Return to Title IV Funds, once a student has missed over 20% of the course or has missed two (2) consecutive weeks, the faculty is obligated to withdraw the student and a student may not be permitted to reenroll. **Instructors define absentee limits for their class at the beginning of each term; please refer to the Instructor Course Information**

Sheet.

All students are responsible for any missed reading assignments, lecture material covered, and make up any examinations, quizzes, homework assignments, etc., which occurred during their absence. Failure to notify the instructor of an appointment made at the testing center to make-up the missed quiz or test due to the absence within 24 hours will result in the student receiving a ZERO for the day's quiz or test. All examinations and/or quizzes must be made up on/or before the student returning to the next scheduled day of lecture. Students must notify the instructor of the absence and provide the instructor with the appointment date and time of the scheduled make-up examination or quiz at the testing center. All make-up examinations and/or quizzes can be given in any format, i.e., multiple choice, essay, etc. It is under the discretion of the instructor on which format the examination or quiz will be given. In the event a drop box is not available, the student who fails to meet an assigned deadline as a result of being absent on the deadline date, at the discretion of the instructor, a grade reduction or percentage may be imposed for failing to meet the deadline schedule (if program not notified of absence, per Attendance policy).

Part V: Student Resources



THE STUDENT SUCCESS AND TUTORING CENTER (SSTC):

The SSTC offers to all students the following **free** resources:

1. **Academic tutors** for most subject areas, **Writing Center support**, and **college success skills**.
2. Online **tutoring** and academic support resources.
3. Professional and interpersonal communication **coaching** in the EPIC Labs.

Visit the [Student Success & Tutoring Center](#) website for more information. To schedule tutoring, contact the SSTC at sstc@hgtc.edu or self-schedule in the Penji iOS/Android app or at www.penjiapp.com. Email sstc@hgtc.edu or call SSTC Conway, 349-7872; SSTC Grand Strand, 477-2113; and SSTC Georgetown, 520-1455, or go to the [Online Resource Center](#) to access on-demand resources.



STUDENT INFORMATION CENTER: TECH Central

TECH Central offers to all students the following **free** resources:

1. **Getting around HGTC:** General information and guidance for enrollment, financial aid, registration, and payment plan support!
2. Use the [Online Resource Center \(ORC\)](#) including Office 365 support, password resets, and username information.

3. **In-person workshops, online tutorials and more services** are available in Desire2Learn, Student Portal, Degree Works, and Office 365.
4. **Chat with our staff on TECH Talk**, our live chat service. TECH Talk can be accessed on the student portal and on TECH Central's website, or by texting questions to (843) 375-8552.



HGTC LIBRARY:

Each campus location has a library where HGTC students, faculty, and staff may check out materials with their HGTC ID. All three HGTC campus libraries are equipped with computers to support academic research and related school work; printing is available as well. Visit the [Library](#) website for more information or call (843) 349-5268.

STUDENT TESTING:

Testing in an **online/hybrid** course and in **make-up exam** situations may be accomplished in a variety of ways:

- Test administered within D2L.
- Test administered in writing on paper.
- Test administered through Publisher Platforms (which may have a fee associated with the usage)

Furthermore, tests may have time limits and/or require a proctor.

Proctoring can be accomplished either face-to-face at an approved site or online through our online proctoring service. To find out more about proctoring services, please visit the [Online Testing](#) section of the HGTC's Testing Center webpage.

The **Instructor Information Sheet** will have more details on test requirements for your course.

DISABILITY SERVICES:

HGTC is committed to providing an accessible environment for students with disabilities. Inquiries may be directed to HGTC's [Accessibility and Disability Service webpage](#). The Accessibility and Disability Services staff will review documentation of the student's disability and, in a confidential setting with the student, engage in an interactive process to develop an educational accommodation plan.

Note: It is the student's responsibility to self-identify as needing accommodations and to

provide acceptable documentation. After a student has self-identified and submitted documentation of a disability, accommodations may be determined, accepted, and provided. Students will need to reach out to the Accessibility and Disability Services staff each semester to renew their accommodations.

COUNSELING SERVICES:

HGTC Counseling Services strives to optimize student success through managing personal and academic concerns that may interfere with achieving educational goals. Staff are available to every student for assistance and guidance on personal matters, academic concerns and other areas of concern. HGTC offers free in-person and telehealth counseling services to students. For more information about counseling services, please reach out to counseling@hgtc.edu or visit the website the [Counseling Services webpage](#).

STATEMENT OF EQUAL OPPORTUNITY/NON-DISCRIMINATION STATEMENT:

Horry-Georgetown Technical College shall not discriminate in employment or personnel decisions or in student admissions or in student decisions, or in all other segments of the College community on the basis of race, color, sex, national or ethnic origin, age, religion, disability, marital or family status, veteran status, political ideas, sexual orientation, gender identity, or pregnancy, childbirth, or related medical conditions, including, but not limited to, lactation, in the educational programs and activities which it operates, and the college is prohibited from discrimination in such manner by applicable laws. Practices and requirements for nondiscrimination extend to the enrollment of students in programs and activities of the College and employment by the College.

All inquiries regarding the federal laws as they relate to discrimination on the basis of sex may be directed to Tamatha Sells, Title IX Coordinator, Horry-Georgetown Technical College, Building 1100C, Room 107B, 2050 Hwy 501 E, PO Box 261966, Conway, SC 29528-6066, 843-349-5218, tamatha.sells@hgtc.edu or to the US Department of Education Office of Civil Rights. (Telephone: 800-421-3481/Email: OCR@ed.gov).

Other employee and applicant inquiries concerning the federal laws and their application to the College may be directed to Jacquelyne Snyder, Vice President, Human Resources and Employee Relations & the College's Affirmative Action/Equal Opportunity Officer, Horry-Georgetown Technical College, Building 200C, Room 205B, 2050 Hwy 501 E, PO Box 261966, Conway, SC 29528-6066, 843-349-5212, jacquelyne.snyder@hgtc.edu.

Other student and prospective student inquiries concerning the federal laws and their application to the College or any student decision may be directed to Dr. Melissa Batten, Vice President, Student Affairs, Section 504 & Title II Coordinator Horry-Georgetown Technical College, Building 1100C, Room 107A, 2050 Hwy 501 E, PO

Box 261966, Conway, SC 29528-6066, 843-349-5228, melissa.batten@hgtc.edu.

TITLE IX REQUIREMENTS:

Title IX of the Education Amendments of 1972 protects students, employees, applicants for admission and employment, and other persons from all forms of sex discrimination.

HGTC prohibits the offenses of domestic violence, dating violence, sexual assault, and stalking and will provide students, faculty, and staff with necessary information regarding prevention, policies, procedures, and resources.

Any student, or other member of the college community, who believes that they have been a victim of sexual harassment, domestic violence, dating violence, sexual assault, or stalking may file a report with the college's Title IX Coordinator or campus law enforcement*.

*Faculty and Staff are required to report these incidents to the Title IX Coordinator when involving students. The only HGTC employees exempt from mandatory reporting are licensed mental health professionals (only as part of their job description such as counseling services).

For more information, contact Tamatha Sells, Title IX Coordinator, Conway Campus, Building 1100C, Room 107B, 843-349-5218, tamatha.sells@hgtc.edu.

PREGNANCY ACCOMMODATIONS

Under Title IX, colleges must not exclude a pregnant student from participating in any part of an educational program. Horry-Georgetown Technical College is committed to ensuring that pregnant students receive reasonable accommodations to ensure access to our educational programs.

Students should advise the Title IX Coordinator of a potential need for accommodations as soon as they know they are pregnant. It is extremely important that communication between student, instructors, and the Title IX Coordinator begin as soon as possible. Each situation is unique and will be addressed individually.

Title IX accommodations DO NOT apply to Financial Aid. Financial Aid regulations do not give the College any discretion in terms of Financial Aid eligibility.

Certain educational programs may have strict certification requirements or requirements mandated by outside regulatory agencies. Therefore, in some programs, the application of Title IX accommodations may be limited.

To request pregnancy accommodations, please complete the [Pregnancy Intake Form](#).