



# **INSTRUCTIONAL PACKAGE**

RAD 205  
Radiographic Pathology

Effective Term  
Fall 2023/Spring 2024/Summer 2024

# INSTRUCTIONAL PACKAGE

## Part I: Course Information

Effective Term: Spring 2024

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

\***Online/Hybrid** courses require students to complete the [DLi Orientation Video](#) prior to enrolling in an online course.

### **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*-7<sup>th</sup> Edition  
By Ronald L.Eisenberg and Nancy M. Johnson ISBN- 9780323570855
2. *Comprehensive Radiographic Pathology Workbook*- 7<sup>th</sup> Edition  
ISBN- **9780323570879**

### **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 in 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 laptops/computers as it relates to classroom activities only.
5. Create appropriate emails from your HGTC email account. Contact Ms. MocarSKI at the following email address; [casey.mocarSKI@hgTC.edu](mailto: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!**

## 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 attenuation to x-rays.
7. Describe the anatomy and the physiology of the Gastrointestinal system
8. Differentiate the more common diseases affecting the Gastrointestinal system and the radiographic manifestation.
9. Describe necessary position modifications for pathologic processes.
10. Acknowledge patients' conditions and offer appropriate compassion and care during the applicable radiographic procedure.

## 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
3. Differentiate the more common diseases affecting the various systems and the radiographic manifestation.
4. Describe necessary position modifications for pathologic processes.
5. Acknowledge patients' conditions and offer appropriate compassion and care during the applicable radiographic procedure.

## 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 nervous system, hematopoietic, and miscellaneous diseases.
5. Identify anatomic structures on diagrams and radiographs of the nervous system, hematopoietic, and miscellaneous diseases.

***\*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	15%
Final Exam	20%
	<hr/> 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. You must have your Dean’s approval if changes in the scale are made.

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.

## 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.**

## 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](mailto:sstc@hgtc.edu) or self-schedule in the Penji iOS/Android app or at [www.penjiapp.com](http://www.penjiapp.com). Email [sstc@hgtc.edu](mailto: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.

Visit the [Tech Central](#) website for more information. Live Chat and Center locations are posted on the website. Or please call (843) 349 – TECH (8324), Option #1.



## 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 staff will review documentation of the student's disability and, in a confidential setting with the student, 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.

## STATEMENT OF EQUAL OPPORTUNITY/NON-DISCRIMINATION STATEMENT:



Horry-Georgetown Technical College prohibits discrimination and harassment, including sexual harassment and abuse, 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 educational programs and/or activities.

### **TITLE IX REQUIREMENTS:**

All students (as well as other persons) at Horry-Georgetown Technical College are protected by Title IX—regardless of their sex, sexual orientation, gender identity, part- or full-time status, disability, race, or national origin—in all aspects of educational programs and activities. Any student, or other member of the college community, who believes that he/she is or has been a victim of sexual harassment or sexual violence may file a report with the college’s Chief Student Services Officer, campus law enforcement, or with the college’s Title IX Coordinator or designee.

\*Faculty and Staff are required to report incidents to the Title IX Coordinators 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).

### **INQUIRIES REGARDING THE NON-DISCRIMINATION/TITLE IX POLICIES:**

**Student and prospective student** inquiries concerning Section 504, Title II, Title VII, and Title IX and their application to the College or any student decision may be directed to the Vice President for Student Affairs.

**Dr. Melissa Batten, VP Student Affairs**

*Title IX, Section 504, and Title II Coordinator*  
 Building 1100, Room 107A, Conway Campus  
 PO Box 261966, Conway, SC 29528-6066  
 843-349-5228  
[Melissa.Batten@hgtc.edu](mailto:Melissa.Batten@hgtc.edu)

**Employee and applicant** inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Vice President for Human Resources.

**Jacquelyne Snyder, VP Human Resources**

*Affirmative Action/Equal Opportunity Officer and Title IX Coordinator*  
 Building 200, Room 205B, Conway Campus  
 PO Box 261966, Conway, SC 29528-6066  
 843-349-5212  
[Jacquelyne.Snyder@hgtc.edu](mailto:Jacquelyne.Snyder@hgtc.edu)