

NEW YORK CITY COLLEGE OF TECHNOLOGY/CUNY
DEPARTMENT OF RADIOLOGIC TECHNOLOGY & MEDICAL IMAGING

Spring 2023

Sections HD30 (11289) and HD32 (11290)

COURSE: RAD 1227 - Radiographic Pathology (3cl.hrs.,3 crs.)

INSTRUCTOR: Prof. Mary Alice Browne, (RT)(R)(CV)(CT)(MR)

OFFICE: Room A-413C

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Phone:(718)260-5360

Online Office Hours: Mondays and Wednesdays 10:00-11:00 a.m. (or by appointment). Office hours on Blackboard Collaborate: 12:30-1:00pm Mondays and Wednesdays. Students who have questions about specific class discussions should arrange an online meeting immediately following the class.

This online class runs Wednesday, January 25th – Wednesday, May 17th.

Section HD30(11289): Mondays (online) and Wednesdays (in-person), 1:00 – 2:15p.m.

Section HD32(11290): Mondays (online) and Wednesdays (in-person), 2:30 – 3:45p.m.

COURSE DESCRIPTION:

This hybrid course is designed to provide the student a basic knowledge of the disease process of body systems, related radiographic examinations and terminology.

All classes will take place on Blackboard Collaborate.

PREREQUISITES: RAD 1100 Series, BIO 2311, BIO 2312

COREQUISITES: RAD 1225, RAD 1226, RAD 1228

COURSE OUTCOMES

Upon completion of RAD 1227, the student will be able to:

1. Differentiate between functional and structural disease
2. Define medical terminology related to each bodily system and pathologic disorders.
3. Explain the changes in technical factors required for obtaining optimal quality radiographs in patients with underlying pathologic disorders.
4. List and discuss specific pathologic disorder affecting each bodily system, radiographic appearances of disease and injuries that are most likely to be diagnosed with medical imaging.
5. Discuss radiographic appearances, positioning and procedures used to diagnose each pathologic disorder.

6. Discuss and identify medical imaging modalities including (CT,MR) used to diagnose each pathologic disorder.
7. Identify normal anatomy and physiology in all areas of the human body based on prior knowledge of anatomy and physiology.

REQUIRED TEXT

Eisenberg, Ronald L, MD,JD,FACR and Johnson, Nancy M MEd, RT(R)(CV)(CT)(QM),FASRT Comprehensive Radiographic Pathology, 7th Edition. ISBN: 978-0323791298.

RECOMMENDED TEXT/RESOURCE

Kowalczyk, Nina, RT(R)(QM)(CT), FAST, Radiographic Pathology for Technologists, 8th Edition, ISBN: 978032416320032416322.

MEANS OF ASSESSMENT IN ONLINE LEARNING

Students enrolled in RAD 1227 must:

1. Actively participate in Real Time class discussions and share clinical experiences with peers.
2. Complete class assignments.
3. Participate in all **scheduled** quizzes and exams.

COURSE GRADING

Coursework will be weighted as follows:

1. Quizzes and class participation	25%
2. Midterm Exam	25%
3. Final Exam	<u>50%</u>
Total	100%

COURSE ASSESSMENT

This course should be passed with a grade of C or better.

Students should refer to the College Catalogue for grading policy.

Grade

A	93-100
A+	90-92.9
B+	87-89.9
B	83-86.9
B-	80-82.9
C+	77-79.9
C	70-76.9
D	60-69.9
F	59.9 or below

QUIZZES/EXAM

There will be 3 quizzes and a midterm exam during the semester (Multiple Choice). The Final Exam will also be in multiple choice format and will consist of 100 questions. Quizzes will relate to current and previous topics. All quizzes and mid-term exam will be given at the beginning of a class.

MIDTERM EXAM

The midterm exam will be comprehensive and entirely multiple choice. Students will be notified through their email account about their progress in the course by midsemester. Discussions will be held with students whose progress is Borderline or Unsatisfactory. Mid-term grades will be assessed as follow per recommendation by the Office of the Provost:

P-Passing, **BL**-Borderline, **U**-Unsatisfactory, **SA**-Stopped Attending.

FINAL EXAM:

The final exam will be comprehensive and entirely multiple choice.

CLASSEOOM CONDUCT AND CELL PHONE POLICY:

- In order to maintain an environment conducive to learning, the use of cell phones during lecture and discussions is prohibited. The only exception is for students who have no choice but to use their cell phones to sign in on Zoom.
- Radiographers are expected to actively interact closely with patients and other members of the medical team. You are therefore required to join the Zoom Classroom with video; thus allowing yourself to be seen during lectures, discussions, and in particular during all quizzes/exams.
- Students are expected to participate in Real-Time class and class activities through discussion, inquiry and individual activities.
- Students are not permitted to leave the classroom **and return** during scheduled class sessions. After joining the class on Zoom, you have to remain for the entire session, during testing.
- Students should try to show up and post on time because your late appearance will disrupt from the class discussions.

NYCCT POLICY ON ACADEMIC INTEGRITY

Students and all others who work with information, ideas, texts, images, music, inventions, and other intellectual property owe their audience and sources accuracy and honesty in using, crediting, and citing sources. As a community of intellectual and professional workers, the College recognizes its responsibility to providing instruction in information literacy and academic Integrity, offering models of good practice and responding vigilantly and appropriate to Infractions of academic integrity. Accordingly, academic dishonesty is prohibited in The City University of New York and at New York City College of Technology and is punishable by penalties, including failing grades, suspension, and expulsion. The complete text of the College policy on Academic Integrity may be found in the catalogue.

Note:

No form of academic dishonesty will be tolerated in this course and the program. If a student appears, at the instructor's discretion, to be in violation of the academic policy during an exam or quiz he or she will minimally and immediately receive a grade of zero. Note that upon additional review, further action may be taken including dismissal from the program.

ACADEMIC INTEGRITY PLEDGE

I understand the value of personal integrity and ethical behavior in all aspects of my professional and personal life. By committing to honesty and personal responsibility, I earn the respect and trust of others. As a student at New York City College of Technology, I recognize that the value of my education is not just being able to say I am a college graduate, but it also incorporates the skills, values, and knowledge I

have acquired. I thus commit myself to upholding academic integrity as an important aspect of my personal integrity and professional growth. I understand that academic integrity includes:

1. Fully observing the rules governing exams and assignments regarding resource material, electronic aids, copying, collaborating with others, or engaging in any other behavior that subverts the purpose of the exam or assignment, and the directions of the instructor.
2. Only turning in work that I have done myself, and not using unattributed work done by others. While working and studying with others can be an effective way to learn, submitted work will be my own.
3. Giving full and proper credit to sources and references, and acknowledging the contributions and ideas of others, in my academic work.

Further, I have read and understand the College's Academic Integrity Policy found in the New York City College of Technology College Catalogue. p.56 of the spring 2020 catalogue.

<http://www.citytech.cuny.edu/catalog/docs/catalog.pdf#page=56>

Modified from the Marquette University Honor Code, PB, RB; AM; 12/23/2020

COMPLIANCE WITH AMERICAN DISABILITY ACT:

“Qualified students with disabilities, under applicable, federal, state, and city laws, seeking reasonable accommodations or academic adjustments must contact The Center for Student Accessibility for information on City Tech’s policy and procedures to obtain such services. Students and questions on eligibility or need to for temporary disability services should also contact the center at: The Center for Student Accessibility, 300 Jay Street, Room L 237 at 718-260-5143, <HTTP://www.citytech.cuny.edu/accessibility/>” or <http://www.citytech.cuny.edu/catalogue/docs/catalog.pdf#page=56>.

ADDITIONAL STUDENT SUPPORT:

StudentHelpDesk@citytech.cuny.edu

itec@citytech.cuny.edu

<https://library.citytech.cuny.edu/>

Technology/Perquisites, Including Browser Details

Technology prerequisites, including important browser details

1. You should have Internet access and be able to use the latest versions of Chrome, Firefox, Internet Explorer, Safari, or Edge. JavaScript, Java, and Cookies must be enabled. Allow pop-up windows. The latest technical requirements from Blackboard are found at:

https://help.blackboard.com/Learn/Student/Getting_Started/Browser_Support

2. If you intend to use Blackboard Collaborate Ultra, choose the latest versions of Chrome or Firefox. Technical details are found at:

https://help.blackboard.com/Collaborate/Ultra/Moderator/Get_Started/Browser_Support

3. A link that allows you to run a browser checker and get feedback as to whether you can run Blackboard and Collaborate Ultra can be found at:

https://help.blackboard.com/Learn/Student/Getting_Started/Browser_Support/Browser_Checker

4. You will need a City Tech email account and should use it regularly.

ONLINE ETIQUETTE AND ANTI-HARASSMENT POLICY

The University strictly prohibits the use of University online resources of facilities, including Blackboard, for the purpose of harassment of any individual or for the posting of any material that is scandalous, libelous, offensive or otherwise against the University's policies. Please see: ["Netiquette in an Online Academic Setting: A Guide for CUNY School of Professional Studies Students."](#)

RAD 1227 CLASS SCHEDULE

Sections HD30 (11289) and HD32 (11290)

All classes will meet on Mondays (online) and Wednesdays (in-person)

Sessions	Dates	Topic	Reading Assignment	Presenter/ Facilitator*
1 & 2	1/25 1/30	Introduction to the Course/History	Chapter 1, p. 1 - 6	Blackboard/ In-Person
3 & 4	2/3 2/6	Inflammation	Chapter. 1, p. 3 - 5	Blackboard/ In-Person
5 & 6	2/8 2/15	Infectious Disorders Immunity/Immunologic Diseases Quiz 1	Chapter 1, p. 2 – 5 Chapter 1, p. 9 – 13 See also under each system	Blackboard/ In-Person
7 & 8	2/21 2/22	Physical and chemical injury Trauma	Chapter 4, p. 131-146 Chapter 8, p. 313 - 320	Blackboard/ In-Person
9 & 10	2/27 3/1	Alterations of Cell Growth Neoplasia	Chapter 1, p. 6 – 7 Chapter 4, p. 119 –130 Chapter 1, p. 7 - 9 Chapter 8, p. 300 – 313 See also under each system	Blackboard/ In-Person
11 & 12	3/6 3/8	Cardiovascular System	Chapter 7, p. 251 - 289	Blackboard/ In-Person
13 & 14	3/13 3/15	Hematopoetic System	Chapter 9, p. 341 - 358	Blackboard/ In-Person
15 & 16	3/20 3/22	Respiratory System	Chapter 3, p.34 - 84	Blackboard/ In-Person
17 & 18 **MT EXAM	3/27 3/29	Gastrointestinal System	Chapter 5, p. 153 - 218	Blackboard/ In-Person
19 & 20	4/3 4/17	Liver, Gallbladder, Pancreas, Spleen, Endocrine	Chapter 5, p. 199 - 207 Chapter 10, p. 359 - 388	Blackboard/ In-Person
21 & 22	4/19 4/24	Urinary and Reproductive Systems	Chapter 6, p. 219 – 250 Chapter 11, p. 389 - 425	Blackboard/ In-Person
23 & 24	4/26 5/1	Skeletal/Muscular Systems	Chapter 4, p. 87 – 151	Blackboard/ In-Person
25 & 26	5/3 5/8	Nervous System/Genetics	Chapter 8, p. 290 - 340	Blackboard/ In-Person
27 & 28	5/10 5/15	Misc. Disease /Review	Chapter 12, p. 426 – 438 Chapter 12, p. 426 – 438	Blackboard/ In-Person
29	5/17	Final Exam Comprehensive 100 Question Exam		Blackboard/ In-Person

*** Monday, February 13 and Monday, February 20 – No Classes.**

***February 21- Class follows a Monday schedule.**

*** All Classes will be presented/facilitated by Prof. Browne unless otherwise stated.**

****Midterm and Quiz dates to be announced in class.**

***** Spring Recess April 5-April 13.**

**Revised Spring 2023
M.A. Browne**