



North Central State College

MASTER SYLLABUS

2025-2026

- A. Academic Division: Health Science
- B. Discipline: Radiological Sciences
- C. Course Number and Title: RADS1170 Introduction to Radiology and Patient Care
- D. Assistant Dean: Heidi Kreglow, PT
- E. Credit Hours: 1.5
Lecture: 1
Laboratory: 0.5
- F. Co-requisites: RADS1121m, RADS1151m,
- G. Last Course/Curriculum Revision Date: Spring 2024 Origin date: Fall 2025
- H. Textbook(s) Title:

Introduction to Radiologic & Imaging Sciences and Patient Care
(Purchased in RADS1170)

- Authors: Adler, Carlton & Stewart
- Copyright Year: 2023
- Edition: 8th
- ISBN: 9780323872201

Radiographic Image Analysis (OPTIONAL)
(Purchased in RADS1170)

- Authors: Adler, Carlton & Stewart
- Copyright Year: 2022
- Edition: 8th
- ISBN: 9780323872201

RadTechBootCamp - Clover Learning Student Plan, electronic resource
(Purchased in RADS1151)

- Vendor: Clover Learning Inc.
- Copyright Year: 2023
- Edition: n/a
- ISBN: 9781951294038

- I. Workbook(s) and/or Lab Manual: None
- J. Course Description: This course is designed to provide an overview of the radiographer's role in the healthcare delivery system. The course introduces concepts related to the profession, patient care assessments and infection control practices. The lab setting will permit application of these skills.

K. College-Wide Learning Outcomes:

College-Wide Learning Outcome	Assessments - - How it is met & When it is met
Communication – Written	
Communication – Speech	
Intercultural Knowledge and Competence	
Critical Thinking	
Information Literacy	
Quantitative Literacy	

L. Course Outcomes and Assessment Methods:

Upon successful completion of this course, the student shall:

Outcomes	Assessments – How it is met & When it is met
1. Describe practice standards for the radiographer	Discussion, completed assignments, HIPAA video/test Week 1, quiz/test week 2-3, comprehensive final week 8
2. Explain the use of various communication techniques with patients.	Discussion, completed assignments, lab exercises weeks 1-2, graded quiz/test week 3-4, comprehensive final week 8
3. Explain and demonstrate safe patient transfer and immobilization methods.	Discussion, completed assignments, lab exercises and simulation rubric weeks 3-5, graded quiz/test week 4-5, comprehensive final week 8
4. Recognize medical emergencies and provide vital signs and values used to access patient condition.	Discussion, completed assignments, worksheets, educational software assignments, lab exercises and simulation rubric weeks 5-7, practice quiz, test week 6, comprehensive final week 8
5. Identify types and spread of infection pathogens related to healthcare and demonstrate infection control practices.	Discussion, completed assignments, worksheets, educational software assignments, lab exercise and sign off week 7, graded quiz week 7, comprehensive final week 8
6. Use effective oral, written and nonverbal communications skills	Simulation rubrics; lab practice and exercises weeks 1-8

M. Recommended Grading Scale:

NUMERIC	GRADE	POINTS	DEFINITION
93–100	A	4.00	Superior
90–92	A-	3.67	Superior
87–89	B+	3.33	Above Average
83–86	B	3.00	Above Average
80–82	B-	2.67	Above Average
77–79	C+	2.33	Average
73–76	C	2.00	Average
70–72	C-	1.67	Below Average
67–69	D+	1.33	Below Average
63–66	D	1.00	Below Average
60–62	D-	0.67	Poor
00–59	F	0.00	Failure

N. College Procedures/Policies:

North Central State College believes that every student is a valued and equal member of the community.* Every student brings different experiences to the College, and all are important in enriching academic life and developing greater understanding and appreciation of one another. Therefore, NC State College creates an inclusive culture in which students feel comfortable sharing their experiences.

Discrimination and prejudice have no place on the campus, and the College takes any complaint in this regard seriously. Students encountering aspects of the instruction that result in barriers to their sense of being included and respected should contact the instructor, assistant dean, or dean without fear of reprisal.

* *Inclusive of race, color, religion, gender, gender identity or expression, national origin (ancestry), military status (past, present or future), disability, age (40 years or older), status as a parent during pregnancy and immediately after the birth of a child, status as a parent of a young child, status as a foster parent, genetic information, or sexual orientation*

Important information regarding College Procedures and Policies can be found on the syllabus supplement located at

<https://ncstatecollege.edu/documents/President/PoliciesProcedures/PolicyManual/Final%20PDFs/14-081b.pdf>



North Central State College
SYLLABUS ADDENDUM

Academic Division: Health Science
Course Coordinator: Heidi Chambers

Discipline: Radiological Sciences

Course Number: RADS 1170
Semester / Session: Fall 2025 / Session A

Course Title: Patient Care
Start / End Date: 8/11/2025-10/3/2025

Instructor Information

Name: Heidi Chambers
Phone Number: 419-755-4809

Credentials: BRST, R.T. (R)
E-Mail Address: hchambers@ncstatecollege.edu

Office Location: 152 Health Science Building

By appointment, in person or via zoom
Office Hours: Tues 2p-4p; Wed: 11a-12p; Thurs 12p-2p

I. Topical Timeline / Course Calendar (Subject to Change):

Weeks	Topics	Assignment	Due Date
1	Intro to Imaging, Professional Organizations, Radiology Administration HIPAA	CN 1 Note Packet Class Discussion and Review Lab Activity and Test	Aug 12 Aug 13 Aug 13/14
2	Patient Interactions and Healthcare Populations History Taking Image Gently/Wisely Pledge, History taking acronyms and history taking scenarios	CN 2 Note Packet CN 3 Note Packet Class Discussion and Review Lab Activity	Aug 19 Aug 19 Aug 20 Aug 20/21
3	Safe Patient Movement Immobilization Techniques Test 1 (CN 1, CN 2 and CN 3) Immobilization, Wheelchair Transport	CN 4 Note Packet CN 5 Note Packet Class Discussion and Review Test 1 (CN 1, CN 2 and CN 3) Lab Activity and Practice	Aug 25 Aug 26 Aug 27 Aug 27 Aug 27/28
4	Vital Signs and Oxygen Test 2 (CN 4 and CN 5) Wheelchair Transport Vital Signs, Chest tubes and lines	CN 6 Review Questions Class Discussion and Review Test 2 (CN 4 and CN 5) Lab Practice Lab Activity and Practice	Sept 2 Sept 3 Sept 3 Sept 3/4 Sept 3/4
5	Vital Signs Medical Emergencies Wheelchair Transport Vital Signs	RTBC Video Lesson and Quiz CN 7 Note Packet Class Discussion and Review Graded Lab Simulation Lab Practice	Sept 9 Sept 9 Sept 10 Sept 10/11 Sept 10/11
6	Infection Control Test 3 (CN 6 and CN 7) Isolation (Infection Control)	CN 8 Note Packet & RTBC Class Discussion and Review Test 3 (CN 6 and CN 7) Lab activity	Sept 16 Sept 16 Sept 17 Sept 17/18
7	Test 4 (CN 8) Review for Comprehensive Final Vital Signs	Test 4 (CN 8) After test discussion and review Lab Simulation	Sept 24 Sept 24 Sept 24/25
8	Comprehensive Patient Care Final All labs (Wed and Thursday) to attend 11a-1p Lab	In person/On Campus NCSC Resource Speakers	Oct 1 Oct 1

NOTE: All assignments, assignment dates and lab activities are subject to change. All modifications will be communicated in a Canvas announcement.

II. Grading and Testing Guidelines:

Final Grade Calculation

Activity	Qty	Points	Percentage
Exams	4		60%
Final Exam	1		20%
Lab <ul style="list-style-type: none">• Attendance and Dress code• HIPAA open note test• Worksheets• Simulations (Wheelchair transport and vital signs)			10%
Other graded items <ul style="list-style-type: none">• Class attendance• Note packet assignments• RTBC video lessons and quizzes• Review questions and worksheets			10%

Note: Minimum Course Grade

The Radiological Department believes that a grade below C+ indicates a lack of mastery of essential skills. Therefore, any student who receives less than C+ in any Radiological Science sequence course cannot continue in the Radiology Program.

III. Examination Policy:

1. Students must attend class when tests, oral presentations, and written assignments are scheduled. If the student does not attend class on these days the following deductions will be applied:
 - 1st missed test → minus 5% from the earned score
 - 2nd missed test → minus 10% from the earned score
 - 3rd missed test → minus 15% from the earned score
 - Additional missed tests → result in a zero score
2. A student who arrives late to class for a test for any reason may not be permitted to take the test at that time. The test will be treated as a make-up exam with appropriate deduction from the earned score:
 - Late arrival for any exam → minus 5% from the earned score
3. The reasons for which a student may be excused from taking an examination, oral presentations, assignments or lab and not receive a deduction in score are as follows:
 - Hospitalization (with documented verification)
 - Death in the immediate family (with documented verification)
 - Personal illness or illness in immediate family - (doctor's excuse required).
4. Any student who misses an examination (for any reason) is responsible for contacting the instructor prior to the start of class or examination through Canvas to let the instructor know the reason of absence and schedule the make-up test. Make-up exams are scheduled as close as possible to the missed test date and should occur no later than one week from the missed exam. In cases of **extreme** illness or hospitalization contact should be made no later than 24 hours from the date of absence. If the student does not contact the instructor within the allotted time, the student may be subjected to a zero on the examination. The instructor will not “chase down” the student to reschedule.
5. No makeup opportunity will be given for absences of unscheduled quizzes (pop quizzes).
6. Exams are administered via the Canvas course and are proctored over Zoom. The student must use two devices (phone and computer) while faculty proctor the examination. Each exam creates a real-time log of the student's activities while in the exam. Navigation away from the exam tab during the examination is not permitted for any reason. Exam logs are randomly checked by faculty after each test. Any student who navigates one time from the exam will receive a zero and a written warning. If a student navigates

from the exam more than once, the student will receive a zero on the test and be subjected to the college's academic misconduct process.

7. Any student who scores below a 77% on any examination is **required** to schedule a one on one meeting with the instructor to identify knowledge gaps of the material. The student may be mandated tutoring. The student should not view this as a punishment and view it as a benefit to be as successful as they can be in the program.

Lab Simulation Grading Policy:

1. When a lab simulation is scheduled, students are expected to come to lab prepared to practice or perform the lab simulation.
2. The student must receive 80% or higher to pass the lab simulation. When a student scores lower than 80%, these assumptions can be made:
 - a. The student did not prepare for the lab simulation in advance by reviewing and practicing OR
 - b. The student has weakness that must be identified and corrected so weaknesses do not degrade patient care needs in their clinical performance.
3. Students who do not score 80% or higher will be required to schedule a one on one practice session with the instructor. After the practice session, a repeat lab simulation will be scheduled. The average of the two scores (original lab simulation and repeat lab simulation) will be entered for grading purposes.

IV. Class/Lab Attendance and Homework Make-Up Policy:

1. Class attendance is necessary to acquire the knowledge required to be successful in the course. Student attendance is taken and part of the final course grade.
2. Students are responsible for attending every online Zoom class. Classes will meet once a week with a link to the class provided in the Canvas course.
3. In any circumstance where a student will miss an online class, the student must send a message to the instructor through Canvas **prior** to the start of the class. If a student is absent due to illness, the student is not permitted to attend lab for that day. If the student is absent and does not contact the instructor, the student is not permitted to attend lab for that day.
4. Attendance is taken for lab and students must attend all scheduled labs. The student will receive 2 points for each lab attended and 2 points for following the dress code requirement. If the student missed lab, 4 points are deducted. If the student is late, 2 points are deducted. If the student violates the dress code, 2 points are deducted. If the student is late and in violation of dress code for that day, 4 points are deducted.
5. The reasons for which a student may be excused from class and/or lab without a deduction are as follows:
 - Hospitalization (with documented verification)
 - Death in the immediate family (with documented verification)
 - Personal illness or illness in immediate family - (doctor's excuse required).
6. Homework and other assignments only receive full credit when they are submitted on time. Late homework assignments will receive a 50% deduction. One minute past the due date and time is considered late. Technology issues are not an excuse for late submission and are subject to the late assignment deduction. Late homework assignments are accepted up to 7 days from the original due date and time. Late assignments will be accepted after these seven days but will receive a score of zero. All missing assignments will receive a score of zero. It is the student's responsibility to follow submission due dates and times.
7. All homework assignments, presentations, written assignments and projects must reflect the student's own work. Copying other students work or using AI tools (i.e., Chat GPT or other generative AI software) to complete an assignment is **prohibited**. AI tools may be used when explicitly stated by the instructor for specific assignments. Work found to be completed by copying or with unauthorized AI

assistance will be considered a violation of academic integrity and may be subjected to disciplinary actions or the college's misconduct process.

V. Classroom Expectations:

1. **Hybrid Course Delivery Guidelines:** Since this is a hybrid course, part of the course content is delivered outside of the classroom and in your home. It is expected that you have a designated learning space in your home or other outside classroom accommodations. **This space should be free of distractions (i.e., pets, children, siblings, parents, significant others, music, and television). You will not be permitted to attend to these distractors during class or during at test.** In this space, you will have adequate lighting, an area to sit upright, all electronic devices needed, textbooks, and note assignments.
2. **Zoom Lectures:** During online class lectures, the student will:
 - Be appropriately dressed, sitting upright (preferably at a table or desk), with the camera on unless otherwise instructed
 - Take care of personal needs (restroom) prior to the beginning of the class
 - Remove all distractors from the Zoom area
 - Mute your mic, unless answering or asking questions
 - Use the raise hand feature to ask questions or get the instructors attention
 - Complete the required weekly content prior to class (i.e., reading assignments, homework assignments)
 - Be prepared to participate in class (ask and answer questions)
 - Have the required material on hand at the time of class (i.e., note packets, textbooks, etc.)
 - Review the day's material or complete other assignments as the student waits for others to finish a test or in class assignment
 - Stay on task when given in class activities and group assignments
3. Demonstrate professional oral and written communication (emails, class discussion, group activities)
4. Unless otherwise instructed, cell phone use is not permitted in hybrid courses or in person labs. If a student has their cellphone out distracting others or the instructor, the student will pay a donation of \$1.00 to the Robert L. Garber scholarship fund. Examples (but not a complete list) of cell phone distractors are as follows: Texting, Cell phone ringing or vibrating loudly, Answering and conversing over the phone, watching videos, Playing music
5. Treat classmates and instructors with respect at all times
6. Use course resources wisely. Examples include:
 - ✓ Assigned reading material
 - ✓ Recorded lectures, notes, and power points
 - ✓ Practice quizzes
 - ✓ Rad Tech Boot Camp (RTBC)
 - ✓ Worksheets
 - ✓ Group activities
 - ✓ Class discussion
 - ✓ Lab material
 - ✓ Tutoring
 - ✓ Review of prior exams
 - ✓ Instructor office hours

VI. Intellectual Property Rights

1. All work and materials presented by instructors are protected intellectual property. Students may use these materials for personal study purposes only. Copying, sharing, or redistributing instructor content without written permission is not permitted. Doing so, constitutes a violation of intellectual property rights and may result in disciplinary actions.