



## North Central State College

### MASTER SYLLABUS

2026-2027

- A. Academic Division: Health Science
- B. Discipline: Radiological Sciences
- C. Course Number and Title: RADS1170 Introduction to Radiology and Patient Care
- D. Assistant Dean: Dr. Jason Tucker, Ph.D.
- 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: 2022
- Edition: 8<sup>th</sup>
- ISBN: 9780323872201

*Radiographic Image Analysis (OPTIONAL)*  
**(Purchased in RADS1170)**

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

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

- Vendor: Clover Learning Inc.
- Copyright Year: 2026
- 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   | Average       |
| 67–69   | D+    | 1.33   | Below Average |
| 63–66   | D     | 1.00   | Below Average |
| 60–62   | D-    | 0.67   | Below Average |
| 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>**



**Course Title:** Patient Care  
**Start / End Date:** 8/17/2026-10/9/2026

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

|                         |                             |                      |                                                                   |
|-------------------------|-----------------------------|----------------------|-------------------------------------------------------------------|
| <b>Office Location:</b> | 152 Health Science Building | <b>Office Hours:</b> | By appointment (in person or via Zoom),<br>Wednesday and Thursday |
|-------------------------|-----------------------------|----------------------|-------------------------------------------------------------------|

| Week | Topics                                                                                                 | Assignment                                                                                                                                              | Due Date                                    |
|------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 6    | <b>Test 3 (CN 6 and CN 7)</b><br><br>Infection Control<br><br>Infection Control – Isolation Techniques | <b>Test 3 (CN 6 and CN 7)</b><br><br>Read Chapter 17 pp. 226-241<br>CN 8 Note Packet   Class Review   RTBC<br>Video Lesson and Quiz<br><br>Lab Activity | Sept 23<br><br>Sept 23<br><br>Sept 23/24    |
| 7    | <b>Test 4 (CN 8)</b><br><br>Review for Comprehensive Final<br><br>Vital Signs                          | <b>Test 4 (CN 8)</b><br><br>Class Review<br><br>Lab Simulation                                                                                          | Sept 30<br><br>Sept 30<br><br>Sept 30/Oct 1 |
| 8    | Comprehensive Final (CN 1 -CN 8)<br><br>Attend labs Wednesday and Thursday, 12-2 PM                    | In person/On Campus<br><br>NCSC Resource Speakers                                                                                                       | Oct 7<br><br>Oct 7                          |

**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 |
|------------------------------------------------------|-----|--------|------------|
| <b>Exams</b>                                         | 4   | 165    | <b>60%</b> |
| <b>Final Exam</b>                                    | 1   | 120    | <b>20%</b> |
| <b>Lab</b>                                           |     |        | <b>10%</b> |
| • Attendance and Dress code                          | 7   | 35     |            |
| • Simulations (Wheelchair transport and vital signs) | 2   | 85     |            |
| • Worksheets                                         | 3   | 15     |            |
| <b>Other graded items</b>                            |     |        | <b>10%</b> |
| • Class attendance                                   | 8   | 80     |            |
| • Note packet assignments                            | 8   | 80     |            |
| • RTBC video lessons and quizzes                     | 6   | 30     |            |

**Note:** Quantity and point activity may be subject to change based on course/class needs.

**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:

- 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:
  - 1<sup>st</sup> missed test → minus 5% from the earned score
  - 2<sup>nd</sup> missed test → minus 10% from the earned score
  - 3<sup>rd</sup> missed test → minus 15% from the earned score
  - Additional missed tests → result in a zero score
- 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 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.

#### IV. **Comprehensive Final Exam Policy:**

1. The Comprehensive Final is administered in person, on campus, and is graded separately from the missed-test deductions in item 1 above. If a student does not attend, the following deduction will be applied:
  - Missed Comprehensive Final → minus 5% from the earned score
2. A student who arrives late to the Comprehensive Final for any reason may not be permitted to take the exam at that time. The exam will be treated as a make-up exam with the following deduction from the earned score:
  - Late arrival → minus 5% from the earned score
3. Excused-absence reasons and the make-up contact procedure follow the same requirements outlined above for all examinations.

#### V. **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.

## VI. 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 5 points for each lab attended and for following the dress code requirement. If the student is late, 2.5 points are deducted. If the student violates the dress code, 2.5 points are deducted. The student will receive 0 points for absences.
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. Assignments submitted more than seven days late will not be accepted and will receive a score of zero, as will all missing assignments. 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.

## VII. 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 a 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