

Updated 07/18/2023



WACO, TEXAS

**COURSE SYLLABUS
AND
INSTRUCTOR PLAN**

**Patient Care
RADR 1203_01
Stacy Reeves, BSRS, RT(R)**

**NOTE: This is a 16-week course.
NOTE: This is a Face-to-Face course.**

PATIENT CARE IN RADIOGRAPHY

RADR 1203_01

Course Description:

An overview of the historical development of radiography, basic radiation protection, an introduction to medical terminology, ethical and legal issues for health care professionals, and an orientation to the profession and the health care system. Patient assessment, infection control procedures, emergency and safety procedures, communication and patient interaction skills, and basic pharmacology are also included. Semester Hours 2 (2 lec)

Prerequisites and/or Corequisites:

Course Notes and Instructor Recommendations:

The course utilizes a required textbook. The schedule will indicate chapter reading and exams for each unit. Additional reading assignments may be provided on Brightspace. Tests and assignments will mostly be completed through Brightspace. When course exams are given outside of class, a webcam will be required. The course provides a foundation of information that will be utilized in other Radiography courses.

Instructor Information:

Instructor Name: Stacy Reeves

MCC E-mail: sreeves@mclennan.edu

Office Phone Number: (254) 299-8526

Office Location: CSC C114

Office/Teacher Conference Hours: By appointment Only (M-F/ 8-5)

Office hours are posted on office door. Please email or call for an appointment.

Required Text & Materials:

Title: Patient Care in Radiography: With an Introduction to Medical Imaging

Author: Ehrlich, R. A., Coakes, D. M.

Edition: 10th

Publisher: Mosby/Elsevier

ISBN: 978-0-323-65440-1

MCC Bookstore Website: <http://www.mclennan.edu/bookstore/>

PATIENT CARE IN RADIOGRAPHY

RADR 1203_01

Methods of Teaching and Learning:

Lecture, discussions, group activities, group or individual projects, videos, lab exercises, project presentations, case studies, quizzes, assignments, and exams.

Course Objectives and/or Competencies:

1. Differentiate between primary, scatter, and remnant radiation
2. Recall motions of the x-ray tube and table
3. Identify radiographic equipment
4. Recall the difference between static and dynamic images

Chapter 3 Objectives-

1. Recall ALARA principle
2. List methods used to reduce patient exposure to radiation
3. Describe risks of radiation

Chapter 4 Objectives – The Health Care Delivery System

1. Compare and contrast insurance
2. Recall responsibilities of the health care facility and health care members.
3. List responsibilities of a radiographer
4. Explain the general organizational structure of a health care facility
5. Differentiate between professional organizations to include their purpose and benefit

Chapter 5 Objectives – Professional Roles and Behaviors

1. Define ethics and recall ethical principles
2. List the steps in an ethical analysis and analyze an ethical dilemma
3. Recall patient rights and the responsibility of a radiographer to protect patient rights
4. Recall elements of job satisfaction and explain how to prevent burnout
5. Describe practice standards for radiographers
6. Explain legal considerations to include crimes and torts
7. Define legal terms associated with legal requirements for behavior.
8. Recall the radiographer's responsibility for prevention of malpractice.
9. Explain the procedures for incident reporting.

Chapter 6 Objectives – Professional Attitudes and Communications

1. Differentiate between culture and ethnicity

PATIENT CARE IN RADIOGRAPHY

RADR 1203_01

2. Understand how cultural diversity may influence the communication process with patients and affect patients' health care
3. Recall professional responsibility and ethics as it relates to diversity
4. Demonstrate how to communicate using verbal and non verbal communication
5. Describe age-specific approaches to communicate with patients
6. Explain the difference between therapeutic and nontherapeutic communication
7. List the stages of grief and describe approaches of dealing with death and loss
8. List factors that affect patients' emotional responses

Chapter 7 Objectives – Safety

1. Recognize goals and how to attain goals found in the National Patient Safety Goals.
2. Explain how to identify patients correctly for any procedure.
3. Recognize components required for a fire to burn and elements of fire prevention
4. List important electrical safety precaution
5. Discussion hazards caused by obstructions and spills and strategies used to deal with the hazards
6. Recall the purpose of EPA and OSHA
7. Discuss common work injuries
8. Demonstrate the practice of body mechanics when lifting and moving heavy objects

Chapter 8 Objectives- Patient Transfer

1. Discuss techniques for specific types of patient transfer
2. Recognize and demonstrate methods of patient transfer for various health conditions
3. Recall at least two steps to ensure patient identification accuracy

Chapter 9 Objectives- Infection Control Concepts

1. Differentiate types of microorganisms
2. Recall cycle of infection
3. Differentiates between types of disease transmission
4. Recall the body's defense against infection

Chapter 10 Objectives-Preventing Disease Transmission

1. Recognize various infectious diseases and discuss prevention of disease transmission
2. Discuss importance of standard precautions and isolation procedures
3. Demonstrate preparation for examinations in isolation

4. Describe protective precautions

Chapter 11 Objectives- Surgical Asepsis

1. Recall various sterilization methods
2. Recall steps for sterile scrubbing
3. Demonstrate sterile gowning and gloving
4. Demonstrate correct procedure for establishing a sterile field, opening a sterile tray, and adding items to sterile field without contamination.
5. Describe procedure for prepping skin for a sterile injection
6. Describe how to remove and apply dressings

Chapter 12 Objectives- Response to Patients' Personal and Physical Needs

1. Identify personal concerns of patients and physiological needs
2. Recognize various body positions used in a healthcare setting
3. Describe immobilization techniques for procedures and patient conditions
4. Identify the correct use of pillows and positioning aids to ensure patient comfort
5. Recognize signs of child and elder abuse
6. Recall how to drain and measure output from a urinary bag
7. List steps for applying a clean colostomy bag and how to provide colostomy care

Chapter 13 Objectives- Patient Assessment

1. List the elements of the AIDET technique to communicate with patients
2. Demonstrate how to perform vital signs
3. Demonstrate how to take an appropriate history for a specific procedure
4. Measure and record temperature, pulse, rate, and respiration rate
5. Recognize terms related to patients' physical status
6. Recall normal adult values for temperature, pulse, respiration, blood pressure, and laboratory tests.
7. Recognize common cardiac arrhythmias on ECG tracing.

Chapter 14 Objectives-Medication Information

1. Differentiate between chemical, generic, and trade names of various medications
2. Describe medication properties and differentiate between pharmacokinetics and pharmacodynamics
3. Compare and contrast medication effects to include therapeutic, allergic, toxic, and side effects

PATIENT CARE IN RADIOGRAPHY

RADR 1203_01

4. Recognize frequently used medication classes in the imaging department and provide examples of each
5. Demonstrate how to look up medications in a drug reference book or website.
6. List precautions needed for patients who are taking opioid medications
7. Differentiate between medications acting as agonists and antagonists

Chapter 15 Objectives- Medication Administration

1. Recall the six rights of medication administration
2. Describe the radiographer's role in medication administration
3. Differentiate the routes of medication and recall advantages and disadvantages
4. Identify correct charting of medication administration
5. Recall sites used for IV infusion and intramuscular injections
6. List steps needed when an IV infusion has infiltrated

Chapter 16 Objectives- Emergency Response

1. Identify criteria for trauma centers to be classified as Level I, II, or III.
2. Understand the role of the student during a medical emergency
3. Identify specific code and disaster routines of an institution
4. Recall code cart equipment and medications
5. Distinguish between various oxygen administration devices
6. Describe steps to operate oxygen and suction equipment and list precautions associated with each

Chapter 17 Objectives- Dealing with Acute Situations

1. Identify symptoms associated with specific emergency situations
2. List the four levels of consciousness and the importance of the Glasgow Coma Scale
3. Identify the need for CPR and recognize the indications for using an AED

Chapter 18 Objectives- Preparation and Examination of the Gastrointestinal Tract

1. Recall the purpose of contrast media in GI exams and how to schedule exams
2. Recall the preparation for gastrointestinal tract contrast exams
3. Differentiate between types of contrast media
4. Explain follow-up care for GI exams that require contrast
5. List indications and contraindications for radiographic exams of the lower gastrointestinal tract.

PATIENT CARE IN RADIOGRAPHY

RADR 1203_01

Chapter 19 Objectives: Contrast Media and Special Radiographic Techniques

1. Recognize symptoms of contrast agent reaction and describe necessary medical interventions.
2. Differentiate contrast examinations of the urinary and biliary systems
3. Describe the radiographer's role for introducing contrast media
4. Describe the procedure for myelography

Chapter 20 Objectives: Bedside Radiography: Special Conditions and Environments

1. Recall appropriate procedures for bedside radiography
2. State the purposes of gastric, nasogastric, tracheal, and thoracic suction
3. Recognize important factors for bedside radiography in special care units
4. List three types of special beds or mattresses that can be seen in special units and recall precautions to be used
5. Recall speciality equipment
6. Identify correct locations for specialty catheters and pacemakers
7. State the consequences of dislodging a thoracic tube and how to avoid this type of incident

Chapter 21 Objectives- Radiography in Surgery

1. Define sterile corridor and explain the significance
2. Recall steps to prevent contamination from imaging equipment
3. Recall surgical setup and surgical team in an surgical environment
4. Identify surgical procedures that involve radiography or fluoroscopy

Chapter 22 Objectives- Special Imaging Modalities

1. List common diagnostic applications of magnetic resonance imaging
2. List safety precautions for personnel working in the area of an MRI scanner
3. Explain the use of contrast agents and medications in MRI and the procedures for monitoring sedated patients during MRI examinations

Course Attendance/Participation Guidelines:

If a student is not in attendance in accordance with the policies/guidelines of the class as outlined in the course syllabus as of the course census date, faculty are required to drop students from their class roster prior to certifying the respective class roster. A student's financial aid will be

PATIENT CARE IN RADIOGRAPHY

RADR 1203_01

re-evaluated accordingly and the student will only receive funding for those courses attended as of the course census date.

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Absenteeism will result in the student having less information and will usually result in a lower grade. When absences accumulate to 15% in the course, the student may have a low probability of success and will be at risk for being dropped for unsatisfactory performance. If a student is tardy and/or leaves early three times during the eight-week course, then one absence will be counted. Students whether present or absent, are responsible for all material presented or assigned for the course and will be held accountable for that material in the determination of grades in the course.

The following is a breakdown of how an absence will affect your **FINAL GRADE**.

- 1 day of absence = 0 (which may be saved and taken at end of semester)
- 2 days of absence = 5 point deduction from **FINAL GRADE**
- 3 days of absence = 10 point deduction from **FINAL GRADE**
- 4 days of absence = 15 point deduction from **FINAL GRADE**
- 5 days of absence = 20 point deduction from **FINAL GRADE**
- 6 days of absence = 25 point deduction from **FINAL GRADE**
- 7 days of absence = below passing- removal from program

Course Outline or Schedule:

RADR 1203_01 Patient Care	
Week 1	<i>Introduction</i>
<i>Monday</i>	CH 1 & 3
Wednesday	CH 4
Week 2	<i>UNIT 1</i>
<i>Monday</i>	Chapters 5 & 6
Wednesday	Chapters 5 & 6

PATIENT CARE IN RADIOGRAPHY

RADR 1203_01

Week 3	
<i>Monday</i>	CAMPUS CLOSED
Wednesday	Unit 2 Chapters 7
Week 4	<i>Unit 2</i>
<i>Monday</i>	Chapter 8
Wednesday	Chapter 8
Week 5	<i>Unit 3</i>
<i>Monday</i>	Chapter 9
Wednesday	Chapter 9
Week 6	<i>Unit 3</i>
<i>Monday</i>	Chapter 10
Wednesday	Chapter 10
Week 7	<i>Unit 4</i>
<i>Monday</i>	Chapters 11 & 12
Wednesday	Chapters 11 & 12
Week 8	<i>Unit 4</i>
<i>Monday</i>	Chapter 13
Wednesday	Chapter 13
Week 9	<i>Unit 5</i>
<i>Monday</i>	Chapters 14 & 15
Wednesday	Chapters 14 & 15
Week 10	<i>Unit 6</i>
<i>Monday</i>	Chapters 16 & 18
Wednesday	Chapters 16 & 18
Week 11	<i>Unit 6</i>
<i>Monday</i>	Chapter 19
Wednesday	Chapter 19
Week 12	
<i>Monday</i>	Chapter 20& 21

PATIENT CARE IN RADIOGRAPHY

RADR 1203_01

Wednesday	Chapters 20 & 21
Week 13	<i>Unit 7</i>
<i>Monday</i>	Chapters 17
Wednesday	
Week 14	<i>Unit 7</i>
<i>Monday</i>	<i>Dealing w/an Acute Situation</i>
Wednesday	THANKSGIVING BREAK
Week 15	
<i>Monday</i>	Project presentations
Wednesday	<i>Project presentations</i>
Week 16	FINALS WEEK
<i>Monday</i>	TBD
Wednesday	TBD

Course Grading Information:

Assignments and Quizzes:	20%
Exams:	40%
Project(s):	15%
Final:	25%
TOTAL:	100%

The course grade will be applied to the following scale:

90%-100%	A
80%-89%	B
75%-79%	C
60%-74%	D
59% or less	F

This is an RT course—C is the minimum acceptable grade. Any grade below 75 is considered a failing grade for this program. In order to progress through the program, you must meet the minimum acceptable grade requirement.

PATIENT CARE IN RADIOGRAPHY

RADR 1203_01

Throughout the course, grades in Brightspace will indicate grades with a decimal following such as, 85.3, 89.5 etc.

These grades will remain as posted in the grade book but the final course grade will be rounded up or down to the nearest score depending on the number in the tenth place after the decimal. If a score is .5 to .9 the grade will be rounded up to the next number. If a score is .4 or below to .1, it will remain that number. (Example: 89.5 will be posted as a 90, where 89.4 will remain an 89)

Late Work and Make Up Work Policies:

Absenteeism will result in the student having less information and will usually result in a lower grade. When absences accumulate to 15% in the course, the student may have a low probability of success and will be at risk for being dropped for unsatisfactory performance. A roll sheet will be passed around the classroom for your initials to attest to your presence in class. If a student is tardy and/or leaves early three times during the eight-week course, then one absence will be counted. Students whether present or absent, are responsible for all material presented or assigned for the course and will be held accountable for that material in the determination of grades in the course.

Late assignments will be given a 10 point deduction on the first day missed and five points on the 2nd day missed. On the 3rd day, the student will not be allowed to submit assignments and will be given zero (0) points for the missed assignment. If worksheets are missed, see the make-up instructions below the calendar due dates in the syllabus.

Make-up tests will only be allowed under certain circumstances and is up to the discretion of the instructor. There will not be any make-up quizzes or in-class assignments. If a missed test occurs due to illness, medical documentation will be necessary for consideration.

Cheating:

If a student is caught in the act of cheating, a zero will be given and may result in potential expulsion from the college. This includes offering students verbal or written information when any assignment, quiz, or exam is measuring the performance of an individual; students viewing another student's work or answers; students submitting work that is not their own; any act of plagiarism; using any mechanism to obtain answers or information that is not approved by instructor prior to assignment, quiz, or exam.

PATIENT CARE IN RADIOGRAPHY

RADR 1203_01

Midterm Counseling

A student's success is important. Many elements contribute to a student's success in completing a course and a degree. Therefore, grades and attendance will be monitored. Between the 8th and 9th week, the instructor will evaluate attendance and the course average. Should a student's

Student Behavioral Expectations or Conduct Policy:

Students are expected to maintain classroom decorum that includes respect for other students and the instructor, prompt and regular attendance, and an attitude that seeks to take full advantage of the education opportunity. Students in this program are seeking a career in the healthcare profession and are expected to exhibit professional behavior that is conducive to learning among peers and the instructor. Behavior that is disrespectful or disruptive will not be tolerated; the student will be asked to leave the class. Each occurrence will be documented and may result in counseling from the instructor and program director.

Regular and punctual attendance is expected of all students, and each instructor should maintain a complete record of attendance for the entire length of each course. Students will be counted absent from class meetings missed, beginning with the first official day of classes. Students, whether present or absent, are responsible for all material presented or assigned for a course and will be held accountable for such materials in the determination of course grades. In the case of online or hybrid courses, attendance will be determined in terms of participation, as described in the syllabus

Brightspace Use and Activity

The instructor of this course intends to utilize Brightspace as both a communication tool as well as its features for announcements, assignments, and assessments. It is the student's responsibility to understand procedures and the importance of accessing Brightspace often, most likely daily, (as well as the MCC issued email), in order to stay on-track with the activities and requirements to complete this course.

E-mail correspondence

The instructor of this course intends to communicate with students using McLennan Community College email. Use of other email addresses could cause a breakdown in communication and important information missed. Email messages are to be formulated in a professional fashion with no use of text speaking or symbols. Email correspondence should open with an appropriate salutation/greeting to the person intended and close with an appropriate closing/sign off.

PATIENT CARE IN RADIOGRAPHY

RADR 1203_01

[Click Here for the MCC Attendance/Absences Policy](https://www.mclennan.edu/highlander-guide/policies.html)

(<https://www.mclennan.edu/highlander-guide/policies.html>)

Click on the link above for the college policies on attendance and absences. Your instructor may have additional guidelines specific to this course.

Updated 07/18/2023



ACADEMIC RESOURCES/POLICIES

Accommodations/ADA Statement:

Any student who is a qualified individual with a disability may request reasonable accommodations to assist with providing equal access to educational opportunities. Students should contact the Accommodations Coordinator as soon as possible to provide documentation and make necessary arrangements. Once that process is completed, appropriate verification will be provided to the student and instructor. Please note that instructors are not required to provide classroom accommodations to students until appropriate verification has been provided by the Accommodations Coordinator. For additional information, please visit www.mclennan.edu/disability.

Students with questions or who require assistance with disabilities involving physical, classroom, or testing accommodations should contact:

disabilities@mclennan.edu 2542998122 Room
319, Student Services Center

Title IX:

We care about your safety, and value an environment where students and instructors can successfully teach and learn together. If you or someone you know experiences unwelcomed behavior, we are here to help. Individuals who would like to report an incident of sexual misconduct are encouraged to immediately contact the acting Title IX Coordinator at titleix@mclennan.edu or by calling, Dr. Claudette Jackson, (Accommodations/Title IX) at (254) 299-8465. MCC employees are mandatory reporters and must report incidents immediately to the Title IX Coordinator. Individuals may also contact the MCC Police Department at (254) 299-8911 or the MCC Student Counseling Center at (254) 299-8210. The MCC Student Counseling Center is a

confidential resource for students. Any student or employee may report sexual harassment anonymously by visiting <http://www.lighthouse-services.com/mclennan/>. Go to McLennan's Title IX webpage at www.mclennan.edu/titleix/. It contains more information about definitions, reporting, confidentiality, resources, and what to do if you or someone you know is a victim of sexual misconduct, gender-based violence or the crimes of rape, acquaintance rape, sexual assault, sexual harassment, stalking, dating violence, or domestic violence.

Student Support/Resources:

MCC provides a variety of services to support student success in the classroom and in your academic pursuits to include counseling, tutors, technology help desk, advising, financial aid, etc. A listing of these and the many other services available to our students is available at <http://www.mclennan.edu/campus-resource-guide/>

Academic Support and Tutoring is here to help students with all their course-related needs. Specializing in one-on-one tutoring, developing study skills, and effectively writing essays. Academic Support and Tutoring can be found in the Library and main floor of the Learning Commons. This service is available to students in person or through Zoom. You can contact the Academic Support and Tutoring team via Zoom or email (ast@mclennan.edu) by going to our website (<https://www.mclennan.edu/academic-support-and-tutoring/>).

College personnel recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources or want to explore strategies for balancing life and school, we encourage you to contact either MCC CREW – Campus Resources Education Web by calling (254) 299-8561 or by emailing crew@mclennan.edu or a Success Coach by calling (254) 299-8226 or emailing SuccessCoach@mclennan.edu. Both are located in the Completion Center located on the second floor of the Student Services Center (SSC) which is open Monday-Friday from 8 a.m.-5 p.m.

Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff. To schedule an appointment, go to https://mclennan.co1.qualtrics.com/jfe/form/SV_07byXd7eB8iTqJg. Both the Completion Center and Paulanne's Pantry are located on the second floor of the Student Services Center (SSC).

MCC Foundation Emergency Grant Fund:

Unanticipated expenses, such as car repairs, medical bills, housing, or job loss can affect us all. Should an unexpected expense arise, the MCC Foundation has an emergency grant fund that may be able to assist you. Please go to

<https://www.mclennan.edu/foundation/scholarships-and-resources/emergencygrant.html>

to find out more about the emergency grant. The application can be found at

https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf.

MCC Academic Integrity Statement:

Go to www.mclennan.edu/academic-integrity for information about academic integrity, dishonesty, and cheating. The unauthorized use of artificial intelligence (AI) for classwork can be a violation of the College's General Conduct Policy. Whether AI is authorized in a course and the parameters in which AI can be used in a course will be outlined by each instructor.

Minimum System Requirements to Utilize MCC's D2L|Brightspace:

Go to <https://www.mclennan.edu/center-for-teachingandlearning/FacultyandStaffCommons/requirements.html> for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

Minimum Technical Skills:

Students should have basic computer skills, knowledge of word processing software, and a basic understanding of how to use search engines and common web browsers.

Backup Plan for Technology:

In the event MCC's technology systems are down, you will be notified via your MCC student email address. Please note that all assignments and activities will be due on the date specified in the Instructor Plan, unless otherwise noted by the instructor.

Email Policy:

McLennan Community College would like to remind you of the policy (<http://www.mclennan.edu/employees/policy-manual/docs/E-XXXI-B.pdf>) regarding college email. All students, faculty, and staff are encouraged to use their McLennan email addresses when conducting college business.

A student's McLennan email address is the preferred email address that college employees should use for official college information or business. Students are

expected to read and, if needed, respond in a timely manner to college emails. For more information about your student email account, go to www.mclennan.edu/studentemail.

Instructional Uses of Email:

Faculty members can determine classroom use of email or electronic communications. Faculty should expect and encourage students to check the college email on a regular basis. Faculty should inform students in the course syllabus if another communication method is to be used and of any special or unusual expectations for electronic communications.

If a faculty member prefers not to communicate by email with their students, it should be reflected in the course syllabus and information should be provided for the preferred form of communication.

Email on Mobile Devices:

The College recommends that you set up your mobile device to receive McLennan emails. If you need assistance with set-up, you may email Helpdesk@mclennan.edu for help.

You can find help on the McLennan website about connecting your McLennan email account to your mobile device:

- [Email Setup for iPhones and iPads](#)
- [Email Setup for Androids](#)

Forwarding Emails:

You may forward emails that come to your McLennan address to alternate email addresses; however, the College will not be held responsible for emails forwarded to an alternate address that may be lost or placed in junk or spam filters.

For more helpful information about technology at MCC, go to [MCC's Tech Support Cheat Sheet](#) or email helpdesk@mclennan.edu.

Disclaimer:

The resources and policies listed above are merely for informational purposes and are subject to change without notice or obligation. The College reserves the right to change policies and other requirements in compliance with State and Federal laws. The provisions of this document do not constitute a contract.