RDT 109 D01
Fall 2016
Instructor: Cindy Ross, B.A., R.T. (R)(ARRT)
Clinical Coordinator and Assistant Professor of Radiologic Technology

Class Times:  Office: AHB 307G
Fridays: 9:00 am – 12:00 pm

Office Hours:
Mondays 4:00 p.m. – 5:00 p.m.
Wednesdays 9:00 a.m. – 12:00 p.m.
Thursdays 1:00 p.m. – 2:00 p.m.
Additional hours by appointment

Text


Online Module

Mosby’s Radiography Online: Introduction to Imaging Sciences and Patient Care Online For Patient Care in Radiography. Access Code for online course module.

Course Description
In this course, students practice the basic nursing skills necessary in the field of radiologic technology. Aseptic techniques, infection control, emergency measures, vital signs, contrast media, drug administration and IV therapy are included. In addition, ethics and law as they apply to the radiologic sciences are explained. Hours: 52 lecture. Prerequisite: RDT 101 with a grade of “C” or better or permission of the department head. Course fee: $80. Materials fee: $40. Usually offered in the fall.
## Course Objectives

Upon completion of the course the student will:

<table>
<thead>
<tr>
<th>Course Objectives</th>
<th>Assessment Goals</th>
<th>Assessment Strategies</th>
</tr>
</thead>
</table>
| **1. Explain medical asepsis as it applies to infection control and isolation precautions applied within the healthcare facility.** (GEO 1, 2, 3, 4, 5, 9) | 1. Define medical asepsis and describe how these principles are employed by the Radiologic Technologist.  
2. Explain infection control methods and types of isolation precaution categories according to specific diseases.  
3. Define Nosocomial infections; identify common nosocomical infections, the cycle of transmission, and prevention methods.  
4. Define terms related to infection control.  
5. Describe the importance of Standard Precautions and Isolation Procedures.  
6. Identify the types of isolation precautions, diseases associated with each category, and PPE utilized by the radiographer.  
7. List institutional/departmental procedures for infection control.  
8. Describe methods for the prevention of infection to the health worker and patient.  
9. Demonstrate competency of hand washing techniques and medical glove application. | • Discussion Questions  
• Quizzes  
• Exams  
• Lab Skills Check  
• Paper  
• Final Exam  
• Turning Point Reviews  
• Learning Assessments |
| **2. Explain surgical asepsis and the principles associated with maintaining a sterile field.** (GEO 1, 2, 3, 4, 9) | 1. Define surgical asepsis and describe how these principles are employed by the Radiologic Technologist.  
2. Identify specific imaging procedures which require surgical aseptic technique and describe its execution for exams.  
3. Identify the rules of surgical aseptic technique and sterilization methods.  
4. Describe the implications for the failure to follow surgical aseptic technique during invasive procedures.  
5. Demonstrate competency in donning surgical gloves and establishing a sterile tray. | • Discussion Questions  
• Quizzes  
• Exams  
• Lab Skills Check  
• Final Exam  
• Turning Point Reviews  
• Learning Assessments |
| **3. Describe medical emergencies encountered within the imaging department and the radiographer’s responsibilities.** (GEO 1, 2, 3, 4, 9) | 1. Define CVA, identify the stroke protocol employed in the hospital, the purpose for following these guidelines, and the responsibilities of the stroke team.  
2. Describe the basic types of seizures, signs/symptoms of the disorder, and the technologist’s role when this occurs within the imaging department.  
3. Identify the basic types of diabetes and the complications associated with the disease.  
4. Describe the steps for calling a code at each clinical site.  
5. Identify the symptoms of a PE and imaging tests utilized to provide a diagnosis.  
6. Identify the burn categories and the clinical significance of each.  
7. Describe common medical emergencies encountered within the imaging department and the technologist’s role in patient care. | • Discussion Questions  
• Quizzes  
• Exams  
• Final Exam  
• Turning Point Reviews  
• Learning Assessments |
| **4. Describe trauma, mobile, and operative radiography in terms of modifications within patient care and the imaging exams performed according to patient need and disease process.** (GEO 1, 2, 3, 4, 8, 9) | 1. Identify types of fractures and their locations associated with trauma radiography.  
2. Describe the major zones of the operating room and the individuals within each area.  
3. Identify the components of the C-Arm and surgical procedures which require the use of this equipment.  
4. Describe the use of mobile radiography in terms of exams performed, CR placement, common errors, and radiation protection methods employed.  
5. Explain the general rules of trauma and how each are implemented.  
6. Describe modifications to the performance of general radiography procedures according to the presence of trauma.  
7. Describe the modifications to the performance of general radiography procedures for mobile imaging.  
8. Describe the modifications to the performance of general radiography procedures according to the presence of pathology. | • Discussion Questions  
• Quizzes  
• Exams  
• Final Exam  
• Turning Point Reviews  
• Clinical Skills Check  
• Learning Assessments |
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| 5. Explain drug administration according to routes of transmission, preparation, and purpose for route selection. (GEO 1, 2, 3, 4, 9) | 1. Identify and describe the routes of drug administration.  
2. Prepare for injection of contrast agents/intravenous medications, using aseptic technique.  
3. Identify, describe and document complications associated with intravenous drug therapy and appropriate actions to resolve these complications.  
4. Explain the various elements of initiating and discontinuing intravenous drug therapy.  
5. Describe the advantages and disadvantages for each drug administration route.  
6. Explain and perform the steps of venipuncture.  
7. Identify the signs of a patent vein and the reasons for patient discomfort. | - Discussion Questions  
- Quizzes  
- Exams  
- Lab Skills Check  
- Final Exam  
- Turning Point Reviews  
- Learning Assessments |
| 6. Describe drug administration and contrast media in terms of composition, side effects, attenuation characteristics, contraindications, adverse reactions, patient preparation for contrast media, and the order for completion of imaging examinations with contrast media. (GEO 1, 2, 3, 4, 9) | 1. Distinguish between the chemical, generic and trade names for select drugs.  
2. Describe pharmacokinetic and pharmacodynamic principles of drugs.  
3. Classify drugs according to specific categories.  
4. Explain the action, uses, and side effects select drugs.  
5. Explain the effects of select drugs on imaging procedures.  
6. Define the categories of contrast agents and give specific examples for each category.  
7. Explain the pharmacology of barium and iodine compounds.  
8. Describe methods and techniques for the administration of various types of contrast agents.  
9. Differentiate and document dose calculations for adult and pediatric patients.  
10. Describe the contraindications for the administration of iodinated contrast media and barium compounds.  
11. Identify the blood tests required before the injection of iodinated contrast media and barium compounds.  
12. Describe the appearance of an infiltration of contrast, documentation of the event, signs/symptoms, and prevention.  
13. Differentiate the beam attenuation characteristics of barium and iodine.  
14. Explain the patient screening for iodinated contrast injections and the administration of barium.  
15. Differentiate between solution, emulsion, and suspension.  
17. Describe the post-procedural instructions for an IVP, UGI, Esophagram, and Barium Enema.  
18. Explain the order of the completion of imaging exams.  
19. Explain patient preparation for general radiography exams. | - Discussion Questions  
- Quizzes  
- Exams  
- Lab Skills Check  
- Final Exam  
- Turning Point Reviews  
- Learning Assessments |
| 7. Describe tubes, lines, and catheters utilized for the administration of drugs, blood draws, measuring body fluids, and for a therapeutic effect. (GEO 1, 2, 3, 4, 9) | 1. Identify the tubes, lines, and catheters encountered during mobile radiography and standard imaging procedures.  
2. Describe the radiographic appearance.  
3. Describe the purpose of each.  
4. Explain the tubes, lines, and catheters utilized on patients in the ICU and purposes of each device. | - Discussion Questions  
- Quizzes  
- Exams  
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<tr>
<td>8. Explain medical ethics, the application of ethics in the administration of patient care, and the legal responsibility of the technologist in the Radiologic Technology profession. (GEO 1, 2, 3, 4, 9)</td>
<td>1. Define specific legal doctrines to include vicarious liability, respondent superior, and res ipsa loquitur. 2. Differentiate between professional and legal standards and describe how each relates to the radiography profession. 3. Describe how consent forms are used relative to specific radiographic procedures. 4. Differentiate between empathetic rapport and sympathetic involvement in relationships with patients and relate these to ethical conduct. 5. Outline the elements necessary for a valid malpractice claim. 6. Define a tort and explain the differences between intentional and unintentional torts. 7. Explain the current legal and ethical status of the radiographer’s role in drug administration. 8. Describe the sections of the patient chart, information contained within, and appropriate documentation of imaging exams. 9. Differentiate between various cultures and describe how healthcare administration is modified according to the patients’ beliefs. 10. Identify ethical dilemmas encountered in the healthcare facility and the appropriate route for reaching a solution.</td>
<td>• Discussion Questions  • Quizzes  • Exams  • Final Exam  • Turning Point Reviews  • Learning Assessments</td>
</tr>
<tr>
<td>9. Describe methods of patient transportation, body positions according to patient condition, and safe lifting methods employed by the radiologic technologist. (GEO 1, 2, 3, 4, 9)</td>
<td>1. Identify the modes of patient transportation and the incidences when each are employed. 2. Describe the various body positions used in patient care and for imaging studies including the reasons each are applied. 3. Explain proper body mechanics and safe lifting methods. 4. Demonstrate proficiency in transporting a patient from wheelchair to the x-ray table, stretcher to x-ray table, and locking the devices for patient transfer. 5. Demonstrate proficiency in transferring the patient with a sheet and by using safe lifting equipment.</td>
<td>• Discussion Questions  • Quizzes  • Exams  • Final Exam  • Turning Point Reviews  • Lab Skills Checks  • Learning Assessments</td>
</tr>
<tr>
<td>10. Identify and define medical terminology/abbreviations associated with imaging procedures, disease conditions, and the medical status of the patient. (GEO 1, 2, 3, 4)</td>
<td>1. Define medical terms and abbreviations. 2. Document medical terminology. 3. Describe the appropriate use of medical terminology for charting imaging exams. 4. Apply medical terminology to the performance of imaging examinations and the administration of patient care.</td>
<td>• Discussion Questions  • Quizzes  • Exams  • Final Exam  • Turning Point Reviews  • Learning Assessments</td>
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<tr>
<td>11. Describe patient assessment according to signs/symptoms exhibited by the patient and vital signs. (GEO 1, 2, 3, 4)</td>
<td>1. Differentiate between signs and symptoms. 2. Explain signs and symptoms associated with medical emergencies encountered in operative, mobile, fluoroscopy, and general radiography. 3. Identify and explain vital signs. 4. Perform vital signs and document results.</td>
<td>• Discussion Questions  • Quizzes  • Exams  • Final Exam  • Turning Point Reviews  • Lab Skills Check  • Learning Assessments</td>
</tr>
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</table>
Course Content

1. Describe medical asepsis in terms of infection control methods, transmission of disease, occurrence of nosocomial infections, radiographer’s role in the prevention of disease spread, and the personal protective equipment utilized according to disease process.

2. Describe surgical asepsis in terms of application in the operating room and imaging department, sterilization methods, difference between medical/surgical aseptic techniques, rules of sterility, establishing/maintaining a sterile field, and patient preparation for the sterile procedure.

3. Explain medical emergencies encountered in the imaging department and acute healthcare setting, the radiographer’s role in patient treatment, calling a code, and identification of levels of consciousness.

4. Explain proper body mechanics executed by the Radiologic Technologist.

5. Identify the most frequent patient accidents and how to prevent these incidences.

6. Describe emergency situations and the role of the Radiologic Technologist.

7. Explain surgical and mobile procedures and the role of the Radiologic Technologist.

8. Describe the purpose of restraints and immobilization devices.

9. Explain death and dying in terms of staging, support for the critical ill, including curative and palliative patient care options.

10. Describe patient assessment and the process for obtaining vital signs.

11. Explain the utilization of verbal and nonverbal communication methods in Radiologic Technology.


13. Identify the rules of trauma imaging, fractures according to body region, and modifications to procedure according to patient condition.

14. Identify tubes, lines, and catheters used to administer care and support to the patient and define the use of each device.

15. Describe drug administration in terms of routes used, the five rights of drug administration, adverse reactions, preparation of drugs, with absorption and transmission to target organs.

16. Differentiate between the types of contrast media, its uses, absorption characteristics, adverse reactions, contraindications for administration, patient consent prior to administration, its chemical components, radiographic appearance, and elimination from the body.

17. Explain the internal and external patient preparation requirements for imaging exams.

18. Explain patient transfer methods, determination of appropriate transfer according to patient condition, assisting the patient from the transfer device to and from the imaging table, and safety precautions during transfers.

19. Identify medical terms, their meanings, and application to the patient’s chart, disease process, and imaging exam completed.

20. Explain and demonstrate patient assessment methods.

The RDT course content reflects the American Society of Radiologic Technologists (ASRT) Radiography curriculum, the American Registry of Radiologic Technologists (ARRT) Licensure examination requirements, and the master plan of education enforced by the Joint Review Committee on Education in Radiologic Sciences (JRCERT).
**Academic Honesty Policy**

Students found exhibiting any of the following types of behavior during or in the preparation/performance of any quiz, project, report, test, or final exam will receive a zero "0" for the assignment, and the student conduct violation will be referred to the Student-Faculty Disciplinary Committee. Cheating will not be tolerated in the Radiologic Technology program. Students found cheating will be DISMISSED from the Radiologic Technology program.

A. Cheating is defined as the act of obtaining information or data improperly or by dishonest or deceitful means; and

B. Plagiarism is defined as the copying or imitating the language, ideas, or thoughts of another author and presenting them as one’s original work, the copying of a theme or section from a book or magazine without giving credit in a footnote or copying from the manuscript of another student.

Sharing information present on a quiz or test are examples of academic dishonesty and will result in a grade of “F” for the course and immediate dismissal from the Radiologic Technology program.

**Class Guidelines/Expectations**

1. Be punctual and arrive to class before the scheduled meeting prepared to learn.
2. Attend all class sessions in their entirety.
3. Submit only completed work. Partially completed assignments will earn a grade of 0. No late assignments will be accepted.
4. Read assigned chapters in the textbook(s) before class meetings.
5. Ask questions to the instructor and attend scheduled tutoring sessions for clarification on course content areas.

The semester is broken down into weeks. **Each week begins on Monday and ends on Sunday.** All course assignments submitted through Blackboard are due at **11:00 pm** on Sunday nights. Students are required to thoroughly complete all assignments/activities. No incomplete or half-attempted work will be accepted. Refer to the course assignment section of the syllabus for due dates, times, and required criteria for each assignment.

**Emergency Information Statement**

In the event of severe inclement weather or other emergency, information about the closing of the college will be communicated via e2Campus and the College's website. Faculty will communicate with students about their courses and course requirements, such as assignments, quiz and exam dates, and class and grading policies, via Blackboard. Students will be responsible for completing all assignments in accordance with class policies.

**RDT students are responsible for all assignments and due dates outlined in the course syllabus regardless if the college has been closed due to an emergency.**
Services for Students with Disabilities
Wor-Wic provides reasonable accommodations for students with disabilities, in compliance with the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973. If you are in need of accommodations, please contact the counseling office at (410) 334-2899. For more information, see Wor-Wic's Services for Students with Disabilities web page.

Attendance
Students are expected to attend all class sessions. If a student misses a class session, it is the student’s responsibility to acquire the information reviewed and ask questions to the course instructor during tutoring. Students absent from class will not be permitted to make-up missed quizzes or graded assessments administered during the scheduled class session.

Blackboard
Blackboard is used as a supplementary site for all RDT courses. To access course content in Blackboard you need to have access to a computer with an Internet connection, (other requirements may apply). Computers that meet these requirements are available on campus in BH 217, HH 100, GH 204, FOH 305, and AHB 108.

Please follow these directions to access course syllabi and any other materials posted for this course:

Login Information:
1. From Wor-Wic home page, point to “Blackboard” at the bottom left of the page and click.
2. Enter your Wor-Wic user ID and password. Don't know your user ID or password? Contact Student Services

Blackboard Components
The following are tools the course instructor will be using in Blackboard:

Syllabus
The posted course syllabus documents the didactic schedule, assignments, due dates, and information pertinent to the course.

Messages
- Email from the course instructor will be located under the messages section of Blackboard.
- Students may email the instructor and other students in the class through messages.
- Email is the primary method of communication between students and the course instructor outside of the classroom.
- Students should visit the messages section daily in the course for new information sent by the instructor.

Course Content
The following items will be located within the course content of Blackboard:
(1) PowerPoint Presentations,
(2) Study Guides and Reviews, and
Assignment information. Content folders will be labeled by subject to organize course material.

Grades
Students can view grades in Blackboard. All graded assessments will be recorded into Blackboard.

Discussions
RDT 109 is a hybrid course. Discussions are a portion of the course grade. Students should refer to the scoring rubric located in the course syllabus to review grading criteria for the discussion assignments.

Blackboard Integrity
All students logging into Blackboard affirm that they understand and agree to follow Wor-Wic Community College policies regarding academic integrity and the use of College resources as described in the college catalog. Wor-Wic Community College considers the following as violations of the computer usage policy:

1. Using the campus computing network and facilities to violate the privacy of other individuals.
2. Sharing of account passwords with friends, family members or any unauthorized individuals

Violators are subject to college disciplinary procedures.

ASSIGNMENTS/CLASSWORK (15% of the weighted grade)

Classwork
(GEO 1, 2, 3, 4, 5, 9) (CO 1-11)

Students will complete classwork during scheduled course sessions. Participation is required to earn credit for classwork. Failure to attend class or arriving late/leaving early will result in students earning a grade of 0 for classwork participation. Classwork is part of the assignment weighted grade in the RDT 109 course evaluation

Skills Checks
(GEO 2, 9) (CO 1, 2, 5, 9, 11)

Students will practice skills necessary for performing radiographic exams and administering care to patients encountered within the clinical practicum. Skills will be demonstrated by the course instructor and performed by the student. Patient care skills will be reinforced in the clinical practicum rotations. Students will earn participation points for completing patient care skills in class. Students must be present in class during the demonstration from the instructor and skills practice to earn credit towards this participation component of the course.
**Patient Care Modules**  
(GEO 1, 3, 9) (CO 1-11)

RDT 109 is a hybrid course which delivers course content with face-to-face lectures and online instruction. Students are required to spend a **minimum** of two hours per week completing online course work. Online instruction may be delivered in a variety of presentation formats. Students are responsible to listen to lectures and complete online assigned work outside of the classroom. To supplement face-to-face meetings, online instruction, and assigned chapter readings, students will complete patient care modules. Patient care modules correlate to the chapters in the Patient Care in Radiography textbook.

Patients care modules will not be accepted late or incomplete. Any late or incomplete assignments will earn a grade of 0. All patient care questions are due by 11:00 pm EST on Sundays.

**Online Discussions**  
(GEO 1, 4, 5, 9) (CO 1-13)

Students will answer discussion questions and/or read articles online or distributed by the course instructor in reference to the assigned course content for RDT 109. The objective of the discussion question is for the student to apply information reviewed in the classroom and to build a collaborative learning community.

**Directions for Online Discussion Posts**
1. Answer the question or questions provided by the course instructor in Blackboard.
2. Students will “Click Reply” and answer the question or questions provided by the course instructor.
3. Refer to Discussion Post Rubric for the grading criteria for this assignment.
4. Please remember that this is an online college course room. Students are not permitted to use instant messaging language. Students are required to answer questions in complete sentences using standard English Language. Click on the HTML editor to spell check your response before submission.

**NO LATE ONLINE DISCUSSIONS WILL BE ACCEPTED. ALL ONLINE DISCUSSIONS ARE DUE BY 11:00 PM EST ON THE DUE DATE. Computer failure or electrical power loss due to inclement weather are not considered excuses for late work.**
Electronic/Information Literacy Writing Assignment and Patient Care Presentation
(GEO 1, 4, 5, 9) (CO 1)
The student will complete a paper on the following topic: *Nosocomial Infections*. The student will research the topic for electronic resources in the WWCC database and on the World Wide Web. WIKIPEDIA is not permitted as a resource. Students will provide a minimum of two electronic resources relevant to this topic and write a 1000 word, double-spaced paper. The paper should include a cover page and a reference page (this is not part of the 1000 word requirement). Students are to follow APA format for citations which should be included throughout the writing assignment. The grading rubric is provided at the conclusion of the course syllabus.

Questions regarding paper content should be directed to the course instructor. The Electronic/ Information Literacy writing assignment is **Due October 30, 2016 by 11:00 pm EST** in Blackboard through messages (instructor e-mail). NO LATE PAPERS WILL BE ACCEPTED. FAILURE TO SUBMIT THE PAPER BY 10/30/16 at 11:00 pm EST WILL EARN A 0.

Please refer to the rubric posted on Blackboard for full credit.

If you wish to have additional help on a writing assignment, you may schedule a 30-minute conference with a writing instructor by going to your MyWorWic portal, selecting the **Student Resources** tab and then selecting **Academic Support**. Click on **Writing Conferences** to schedule a conference. Limited time slots are available, so an appointment is required. If you cannot keep your appointment, it is your responsibility to cancel it by going back to the **Writing Conferences** link. Please note that writing conferences are conducted in BH 227, the Reading/Writing Center.

**Patient Care Presentation**
(GEO 1, 7, 8) (CO 1, 2, 3, 4)
Students will **individually** complete a patient care presentation on the topic of Medical Ethics and Professional Standards as referenced by the ASRT Code of Ethics. For this presentation, each student will complete PowerPoint Presentation creatively illustrating the selected topic. Grading criteria for this patient care presentation is displayed at the conclusion of the course syllabus. The date for completing the patient care presentation will be communicated in class and will be posted in Blackboard. **All student presentations will be completed on the scheduled date. Students are required to complete the oral presentation. A grade of 0 is earned for any PowerPoint submitted that is not presented to the class.**

**QUIZZES (15% of the weighted grade)**

**Quizzes**
(GEO 1, 3, 4, 9) (CO 1-13)
Students will complete quizzes on information presented in reading assignments, class lecture, and through narrated PowerPoints. Quizzes administered during class sessions will have a time limit for completion. Students arriving late, leaving early or missing class sessions will not be permitted to make up a missed quiz or be given additional time to complete a quiz. Quizzes are unannounced. Students should anticipate a quiz every class session.

**NO MAKE-UP QUIZZES WILL BE ADMINISTERED. A GRADE OF 0 WILL BE EARNED FOR MISSING AN ADMINISTERED QUIZ.**
Medical Terminology Quizzes/Exams  
(GEO 1, 5) (CO 12)

Students will complete medical terminology quizzes and exams located in the Evolve online course modules. Each quiz and exam has a start and an end date. Students have an unlimited number of attempts completing the quizzes and exams in Evolve by the scheduled due date. The highest score earned is recorded in Blackboard for each Medical Terminology quiz and exam assigned. Students who fail to complete quizzes or exams within the documented dates/times will receive a grade of 0. Medical terminology quizzes and exams completed through the Evolve online module are considered assignments in this Nursing Procedures course and are 5% of the course weighted grade.

NO MAKE-UP QUIZZES OR EXAMS WILL BE ADMINISTERED. FAILURE TO COMPLETE THE QUIZ OR EXAM ACCORDING TO THE DUE DATE WILL RESULT IN A GRADE OF 0.

Tests (35% of the weighted grade)  
(GEO 1, 3, 5, 8, 9) (CO 1-13)

Students will complete tests after covering didactic material in class. Tests will be completed in the WWCC Testing Center. Tests must be completed according to the dates and times outlined within the course syllabus. Tests are timed.

NO MAKE-UP TESTS WILL BE ADMINISTERED. FAILURE TO COMPLETE THE TESTS WITHIN THE DATES/TIMES OUTLINED IN THE COURSE SYLLABUS WILL RESULT IN A GRADE OF 0.

**Test scores will be posted in Blackboard after all students have completed the test.

Comprehensive Final Examination (35% of the weighted grade)  
(GEO 1, 3, 5, 7, 8, 9) (CO 1-13)

A comprehensive final examination will be administered on December 13, 2016. This test will evaluate ALL material covered in this course. The comprehensive final examination will be administered as a paper and pencil test. The comprehensive final exam is timed. No additional time will be awarded if a student arrives late to complete the test. NO MAKE-UP FINAL WILL BE ADMINISTERED.
**WWCC Testing Center**

RDT students will complete tests for RDT 109 in the WWCC Testing Center. According to the testing center policies, students must do the following when entering the center to complete a test or quiz:

1. Present a current school or government-issued photo ID.
2. Provide the name of the instructor teaching the course.
3. Provide the course name and section number.
4. Identify the name of the test.
5. Turn off cell phones and any electronic devices.

The testing center maintains a roster of students completing each RDT test and will document date and time the student enters and exits the testing center.

The testing center is located in BH 226. Please refer to [www.worwic.edu](http://www.worwic.edu) for testing center’s hours of operation.

**Course Evaluations**

Assignments 15%
- Patient Care Modules
- Discussion Questions
- Skills Checks
- Classwork
- Evolve Medical Terminology
- Medical Ethics Presentation
- Paper

Quizzes 15%

Chapter Tests 35%

Comprehensive Final Examination 35%

**Grading Scale**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td>93-100</td>
<td>Excellent</td>
</tr>
<tr>
<td>B</td>
<td>84-92</td>
<td>Good</td>
</tr>
<tr>
<td>C</td>
<td>75-83</td>
<td>Average</td>
</tr>
<tr>
<td>D</td>
<td>66-74</td>
<td>Poor</td>
</tr>
<tr>
<td>F</td>
<td>65-0</td>
<td>Failing</td>
</tr>
</tbody>
</table>

A FINAL GRADE BELOW A 75.0% RESULTS IN COURSE FAILURE AND DISMISSAL FROM THE RADIOLOGIC TECHNOLOGY PROGRAM. GRADES ARE NOT ROUNDED. A FINAL GRADE OF 74.9% WILL RESULT IN COURSE FAILURE AND DISMISSAL FROM THE RADIOLOGIC TECHNOLOGY PROGRAM.
<table>
<thead>
<tr>
<th>Criteria</th>
<th>Non-performance</th>
<th>Needs Improvement</th>
<th>Approaches Expectations</th>
<th>Meets Expectations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spelling</td>
<td>More than four spelling errors in the discussion post.</td>
<td>Three to four spelling errors are present in discussion post.</td>
<td>One to two spelling errors are present in discussion post.</td>
<td>Discussion post is free of spelling errors.</td>
</tr>
<tr>
<td>Grammar</td>
<td>More than four grammatical and/or sentence structure errors are present within the discussion post.</td>
<td>Three to four grammatical and/or sentence structure errors are present within the discussion post.</td>
<td>One to two grammatical/sentence structure errors are present within the discussion post.</td>
<td>Discussion post is free of grammatical or sentence structure errors.</td>
</tr>
<tr>
<td>Sentence Structure</td>
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</tr>
<tr>
<td>Length</td>
<td>Discussion post is less than 180 words.</td>
<td>Discussion post has a 180 to 189 word count.</td>
<td>Discussion post has a 190 to 199 word count.</td>
<td>Discussion post adheres to the 200 word count length requirement.</td>
</tr>
<tr>
<td>Answers all parts of the discussion question.</td>
<td>Does not completely answer all parts of the discussion question or clearly articulate response in an organized manner.</td>
<td>A portion of the discussion post question is not answered and/or a portion of the discussion is difficult unorganized/difficult to understand.</td>
<td>The majority of the discussion post is included and articulated clearly in an organized manner.</td>
<td>Completely answers each part of the question with an organized, clearly articulated discussion post.</td>
</tr>
<tr>
<td>Criteria</td>
<td>45 Total Points</td>
<td>Non-performance</td>
<td>Needs Improvement</td>
<td>Approaches Expectations</td>
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<td>--------------------------------</td>
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<tr>
<td>0 Points</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Spelling</td>
<td></td>
<td>More than four spelling errors are present throughout the paper.</td>
<td>Three to four spelling errors are present in the discussion post.</td>
<td>One to two spelling errors are present in discussion post.</td>
</tr>
<tr>
<td>Grammar Sentence Structure</td>
<td></td>
<td>Does not demonstrate coherent sentence structure or knowledge of grammatical rules as expressed in the English Language.</td>
<td>Three to four grammatical or sentence structure errors are identified in the paper.</td>
<td>One to two grammatical or sentence structure errors are identified in the paper.</td>
</tr>
<tr>
<td>Length Requirement</td>
<td></td>
<td>Paper has less than 800 words.</td>
<td>Paper has 800 to 899 words in the content section.</td>
<td>Paper has 900 to 999 words in the content section.</td>
</tr>
<tr>
<td>Content Part I</td>
<td></td>
<td>Content areas are not explained and/or information is incorrect as it pertains to the acquisition and transmission of the specified nosocomial infection.</td>
<td>Identifies and explains two of the four specified content areas.</td>
<td>Identifies and explains three of the four specified content areas.</td>
</tr>
<tr>
<td>Content Organization</td>
<td></td>
<td>Paper is disorganized, difficult to understand, and/or the content areas are not included in the writing assignment.</td>
<td>The majority of content areas are included and/or some moderate problems with clarity or paper organization.</td>
<td>All content areas are included but there are minor problems with clarity and/or paper organization.</td>
</tr>
<tr>
<td>Explains Lessons Learned</td>
<td></td>
<td>Does not explain lessons through the conduction of research.</td>
<td>Explains one lesson learned through researching the selected topic.</td>
<td>Explains two lessons learned through researching the selected topic.</td>
</tr>
<tr>
<td>Works cited in APA Format</td>
<td></td>
<td>Does not provide resource or references have multiple errors in APA format.</td>
<td>One electronic resource is documented with two error in APA format.</td>
<td>One electronic resource is documented with one error in APA format.</td>
</tr>
<tr>
<td>APA Citations</td>
<td></td>
<td>In-text citations are not included and/or are not accurately documented in APA format.</td>
<td>Paper includes APA citations with two errors within the text of the paper.</td>
<td>Paper includes APA citations with one error within the text of the paper.</td>
</tr>
<tr>
<td>APA Paper Format</td>
<td></td>
<td>More than two errors in APA format are identified within the paper.</td>
<td>Two errors in APA format are exhibited</td>
<td>One error in APA format is exhibited in the paper.</td>
</tr>
<tr>
<td>Writing Conference</td>
<td></td>
<td>Did not attend writing conference</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Criteria</td>
<td>Professional (5 Points)</td>
<td>Good (4 Points)</td>
<td>Fair (2 Points)</td>
<td>Poor (0 Points)</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>----------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Spelling Grammar</td>
<td>PowerPoint presentation demonstrates good use of grammar and no spelling errors are present.</td>
<td>No more than two errors are present within the PowerPoint presentation.</td>
<td>No more than three errors are identified within the PowerPoint board presentation.</td>
<td>More than three errors are identified within the PowerPoint presentation.</td>
</tr>
<tr>
<td>Creativity</td>
<td>Presentation utilizes various colors, fonts, and supportive elements to creatively display content. A minimum of ten good quality pictures and/or other types of graphics are utilized to display subject content.</td>
<td>Presentation displays moderate creativity with eight to nine good quality pictures and/or other types of graphics are utilized to display subject content.</td>
<td>Presentation displays fair creativity with six to seven good quality images and/or other types of graphics are utilized to display subject content.</td>
<td>Presentation displays poor creativity and/or less than six good quality images and/or graphics are utilized to display subject content.</td>
</tr>
<tr>
<td>Organization</td>
<td>PowerPoint is professionally organized according to specific subtopics and is easily understood by the audience.</td>
<td>PowerPoint has good organization and the content is understood by the audience.</td>
<td>PowerPoint has fair organization but topics are not separated into categories distracting the audience from understanding content.</td>
<td>Poor organization is used throughout the presentation. The audience cannot follow the ideas presented on the PowerPoint or their meaning.</td>
</tr>
<tr>
<td>Content Patient Care topic</td>
<td>Presentation content accurately describes medical ethics and professional standards with a minimum of four specific examples referencing the ASRT Code of Ethics.</td>
<td>The presentation accurately describes medical ethics and professional standards with a minimum of two specific examples referencing the ASRT Code of Ethics.</td>
<td>The presentation accurately describes medical ethics and professional standards with a minimum of two specific examples referencing the ASRT Code of Ethics.</td>
<td>Content is inaccurate and/or does not describe medical ethics and professional standards with a minimum of two specific examples referencing the ASRT Code of Ethics.</td>
</tr>
<tr>
<td>References</td>
<td>A minimum of four ELECTRONIC references are utilized for the PowerPoint presentation, documented using APA format, and placed on the last PowerPoint slide for evaluation.</td>
<td>Three electronic references are utilized for the PowerPoint presentation, documented using APA format, and placed on the last PowerPoint slide for evaluation.</td>
<td>Two electronic references are utilized for the PowerPoint presentation, documented using APA format, and placed on the last PowerPoint slide for evaluation.</td>
<td>Less than two electronic references are utilized for the PowerPoint presentation and/or the references are not documented using APA style format and/or placed on the last PowerPoint slide for evaluation.</td>
</tr>
<tr>
<td>Voice/Fluency Inflection</td>
<td>Speaks in complete sentences, varying tone, and language engaging the audience. Demonstrates interest in topic evident through language used, rate of communication creates a clear translation of information to the audience.</td>
<td>Follows the majority of the criteria established for voice/fluency/inflection but not all documented attributes.</td>
<td>Rate of communication, language used, and/or incomplete sentences at times distract the audience from the intended meaning of conveyed message.</td>
<td>Voice, fluency, and/or inflection frequently are distracting to the audience.</td>
</tr>
<tr>
<td>Communication</td>
<td>Communicates topics in an organized manner easy for the listener to follow and understand. Speaks in complete sentences explaining presentation content.</td>
<td>Topic organization is good but few moments of difficulty understanding the information conveyed.</td>
<td>Communicates topics in a fairly organized manner and sometimes deters from completely explaining the thought via complete sentences.</td>
<td>Topics not communicated in an organized manner distracting the audience from understanding the intended message.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Engages the audience throughout the presentation with eye contact.</td>
<td>Moderately engages the audience but refers to during the presentation.</td>
<td>Does not make sufficient eye contact with audience and/or uses notes excessively throughout the presentation.</td>
<td>Reads notes/Presentation and does not engage audience with eye contact.</td>
</tr>
<tr>
<td>Professional Appearance/Body Language</td>
<td>Projects a business professional appearance and exhibit characteristics of professionalism demonstrated through body language while completing the oral presentation.</td>
<td>Projects a business professional appearance but body language and mannerisms are at times distracting from the audience.</td>
<td>Projects a business professional appearance but body language and mannerisms are frequently distracting from the audience.</td>
<td>Does not project a business professional appearance and/or exhibit characteristics of professionalism while completing the oral presentation.</td>
</tr>
</tbody>
</table>
# RDT 109: Tentative Lecture Schedule

<table>
<thead>
<tr>
<th>Week/Dates</th>
<th>IN CLASS Course Content Topics</th>
<th>PATIENT CARE ONLINE MODULES</th>
</tr>
</thead>
</table>
| **Week 1** 9/9/16 | Infection Control Concepts  
Chapter 8 (Patient Care Book) | Chapters 7 and 12  
Activities, Quizzes & Exam |
| **Week 2** 9/16/16 | Preventing Disease Transmission  
Chapter 9 (Patient Care Book) | Chapters 5  
Activities, Quizzes & Exam |
| **Week 3** 9/23/16 | Surgical Asepsis  
Chapter 18 (Patient Care Book) | Chapters 6  
Activities, Quizzes & Exam |
| **Week 4** 9/30/16 | Response to Patients’ Personal and Physical Needs  
Chapter 10 (Patient Care Book) | Discussion Question |

**TEST ONE IN THE TESTING CENTER**

| Week 5 10/7/16 | Patient Assessment  
Chapter 11 (Patient Care Book) | Medical Terminology Online Modules  
Chapter 3 Quizzes and Exam |
| Week 6 10/14/16 | Dealing with Acute Situations  
Chapter 16 (Patient Care Book) | Chapters 15  
Activities, Quizzes & Exam |
| Week 7 10/21/16 | Bedside Radiography & Radiography in OR  
Chapters 20&21 (Patient Care Book)  
Routes of Drug Administration  
Chapter 8 (Pharmacology Book) | Chapter 14  
Activities, Quizzes & Exam |
| **Week 8** 10/28/16 | Drug Administration continued from  
Chapter 8 (Pharmacology)&Chapter 14 (Pt Care) | Discussion Question |

**TEST TWO IN THE TESTING CENTER**

| Week 9 11/4/16 | Biopharmaceutics and Pharmacokinetics  
Pharmacodynamics  
Chapters 3 and 4 (Pharmacology Book) | Medical Terminology Online Modules  
Chapter 4 Quizzes and Exam |
| Week 10 11/11/16 | Drug Classifications  
Chapter 5 (Pharmacology Book) | Chapter 13  
Activities, Quizzes & Exam |
| Week 11 11/18/16 | Contrast Media & Special Radiographic Techniques  
Chapter 19 (Patient Care Book) | Chapter 17  
Activities, Quizzes & Exam |
| Week 12 12/2/16 | Contrast Media  
Chapters 6 and 7 | Discussion Question |
| **Week 13** 12/9/16 | PATIENT CARE PRESENTATIONS |

**TEST THREE IN TESTING CENTER**

| Week 14 12/13/16 | FINAL EXAM |

*** Additional narrated PowerPoint presentations, assignments, and patient care questions may be included into the schedule according to student comprehension of course concepts evident through quizzes and classwork assessments***

16