



**RADIOLOGIC TECHNOLOGY
RADT 1010
COURSE SYLLABUS
Lecture
Spring Semester 2016**

Semester: Spring 2016

Course Title: Introduction to Radiology

Course Number: RADT 1010

Credit Hours/ Minutes: 4/3750

Class Location:

Class Meets: M/W 8:00am-10:05am

CRN: 40258

Instructor: Kerry Dunn, M.Ed., RT(R)(M)

Office Hours: Mondays-Tuesdays: By Appointment

Office Location: 708

Email Address: kdunn@southeasterntech.edu

Phone: 912-538-3112

Fax Number: 912-538-3106

Tutoring Hours: By Appointment

REQUIRED TEXT: Ehrlich, R. & Daly, J. (2009). Patient care in radiography with an introduction to medical imaging. (8th ed.). St. Louis, MO: Mosby.
ISBN: 978-0-323-05178-1

Healthcare Provider Book for CPR (please note that there will be an additional \$40 charge on the date you are certified in CPR to cover the cost of the training and card)

REQUIRED SUPPLIES: Pen, pencil, highlighter, notebook, paper, notecards

COURSE DESCRIPTION: This course introduces a grouping of fundamental principles, practices, and issues common to many specializations in the health care profession. In addition to the essential skills, students explore various delivery systems and related issues. Also, this course provides the student with an overview of radiography and patient care. Students will be oriented to the radiographic profession as a whole. Emphasis will be placed on patient care with consideration of both physical and psychological conditions.

MAJOR COURSE COMPETENCIES: Major course competencies include: ethics; medical and legal considerations; right to know law; professionalism; basic principles of radiation protection; basic principles of exposure; equipment introduction; healthcare delivery systems; hospital and departmental organization; hospital and technical college affiliation; medical emergencies; pharmacology/contrast agents/media; OR and mobile procedures; patient preparation; death and dying; body mechanics/transportation; basic life support/CPR; and patient care in the radiologic sciences.

COURSE OUTLINE:

- Ethics
- Medical and legal considerations
- Right to know law
- Professionalism
- Basic principles of radiation protection
- Basic principles of exposure
- Equipment introduction
- Healthcare delivery systems
- Hospital and departmental organization
- Hospital and technical college affiliation
- Medical emergencies
- Pharmacology/contrast agents/media
- OR and mobile procedures

- Patient preparation
- Death and dying
- Body mechanics/transportation
- Basic life support/CPR
- Patient care in the radiologic sciences.

PREREQUISITES: Completion of Healthcare Science Core courses.

COREREQUISITES: RADT 1030, RADT 1320

GENERAL EDUCATION CORE COMPETENCIES:

STC has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

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STUDENT REQUIREMENTS: Students are expected to complete all reading, tests, and daily assignments (workbooks and handouts) by the specified date. Workbook assignments and handouts are to be completed before the student takes the test on the material assigned.

Note: During RADT 1010, the student will begin preparing for the clinical component of the program. The student will need to be prepared to pay for CPR certification. None of these expenses incurred during this time will be refunded if the student is unable, unwilling, or ineligible from completing the clinical component of the program.

EXAMS: NO GRADES WILL BE DROPPED. No study guides or test reviews will be given due to time constraints on the amount of material being introduced. In addition, quizzes are subject to be given on any given day over any assigned material (i.e. reading, workbooks, etc.). Any quizzes missed due to student absence will not be made up.

Any questions regarding a test will need to be submitted by email to the instructor and/or an appointment can be arranged to discuss any questions during the instructor's office hours. No class time will be spent debating test questions.

A final unit test average of 70 or higher is required to sit for the final (grades of 69.9 will not be rounded up). If you do not have a 70 or higher average, you will be unable to sit for the final exam and subsequently, will be withdrawn from the course with a grade of WP/WF.

MAKEUP POLICY: *Students will be allowed to makeup one test. Any further missed test will result in a grade zero. All makeup exams will be given at the discretion of the instructor.*

Students are responsible for policies and procedures in student catalog/handbook and Departmental Policies and Procedures. [This could also include safety, academic dishonesty, etc.]

CELLPHONE POLICY: Cell phones are not permitted in the classroom or laboratory. Any student caught with a cell phone in the classroom or laboratory in any capacity (texting, talking on or, emailing), whether the phone is on or

off, will have 10 points taken off their next chapter test grade. In the event of an emergency, such as a sick family member or sick child, their calls should be directed to the front desk at 912-538-3117 where a message can be left.

ATTENDANCE GUIDELINES: Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and also interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of F and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor.

Students will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an F in a course.

ADDITIONAL PROVISIONS

Health Science Programs

Requirements for instructional hours within Health Science programs reflect the rules of respective licensure boards and/or accrediting agencies. Therefore, these programs have stringent attendance policies. Each program's attendance policy is published in the program's handbook and/or syllabus which specify the number of allowable absences. All provisions for required make-up work in the classroom or clinical experiences are at the discretion of the instructor.

ATTENDANCE FOR RADIOLOGIC TECHNOLOGY: Attendance is counted from the first scheduled class meeting of each semester. To receive credit for a course a student must attend at least 90% of the scheduled instructional time. All work missed due to tardiness or absences must be made up at the discretion of the instructor. Any student attending less than the required scheduled instructional time (90%) may be dropped from the course as stated below in the *Withdrawal Procedure*.

Tardy means arriving after the scheduled time for instruction to begin. Early departure means leaving before the end of the scheduled time. Three (3) tardies and/or early departures, in any combination, equal one (1) absence for the course.

For this class, which meets 1 day a week for 15 weeks, the maximum number of days a student may miss are 2 days during the semester.

SPECIAL NEEDS: *Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact Jan Brantley, Room 1208 Swainsboro Campus, 478-289-2274, or Helen Thomas, Room 108 Vidalia Campus, 912-538-3126, to coordinate reasonable accommodations.*

SPECIFIC ABSENCES: Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

PREGNANCY: Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please advise me and make appropriate

arrangements with the Special Needs Office. Swainsboro Campus: Jan Brantley, Room 1208, (478) 289-2274 -- Vidalia Campus: Helen Thomas, Room 108, (912) 538-3126.

WITHDRAWAL PROCEDURE: Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% portion of the semester (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" is assigned when the student completes the withdrawal form from the course.

Students who are dropped from courses due to attendance (see your course syllabus for attendance policy) after drop/add until the 65% point of the semester will receive a "W" for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of 'F' being assigned.

After the 65% portion of the semester, the student will receive a grade for the course. (Please note: A zero will be given for all missed assignments.)

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. All grades, including grades of 'W', will count in attempted hour calculations for the purpose of Financial Aid.

Remember - Informing your instructor that you will not return to his/her course does not satisfy the approved withdrawal procedure outlined above.

ACADEMIC DISHONESTY POLICY: The STC Academic Dishonesty Policy states *All forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline.* The policy can also be found in the *STC Catalog and Student Handbook.*

Procedure for Academic Misconduct

The procedure for dealing with academic misconduct and dishonesty is as follows:

--First Offense--

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

--Second Offense--

Student is given a grade of "WF" for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

--Third Offense--

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

STATEMENT OF NON-DISCRIMINATION: Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, disabled veteran, veteran of Vietnam Era or citizenship status, (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

GRIEVANCE PROCEDURES: Grievance procedures can be found in the Catalog and Handbook located on STC's website.

ACCESS TO TECHNOLOGY: Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the STC website at www.southeasterntech.edu.

Students are responsible for policies and procedures in student catalog/handbook and Departmental Policies and Procedures. [This could also include safety, academic dishonesty, etc.]

GRADING POLICY

Quizzes/HW	10%
Chapter Tests	50%
Lab Participation	20%
Final Exam	20%

GRADING SCALE

A: 90-100
B: 80-89
C: 70-79
D: 60-69
F: 0-59

TCSG GUARANTEE/WARRANTY STATEMENT:

The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.

RADT 1010
Spring 2016

Date	Chapter/Lesson	Content	Assignments Tests	*Competency Area
Week 1	Chapter 1 Chapter 2	Introduction to Radiography Image Quality Factors		RT13,15,17
	Chapter 3 Chapter 4	Radiation Effects and Safety The Healthcare Delivery System	Test 1 (Ch. 1-2)	GE A-C
Week 2	Chapter 5 Chapter 6	Professional Roles and Behaviors Professional Attitudes & Communications		RT13,15,17 GE A-C
	Chapter 7 Chapter 8	Safety Infection Control Concepts	Test 2 (Ch. 3-6) Sterile glove lab Sterile field preparation lab Sterile gowning lab	RT13,17 GE A-C
Week 3	Chapter 7 Chapter 8	Safety Infection Control Concepts		RT13,17 GE A-C
	Chapter 9 Chapter 10	Preventing Disease Transmission Response to Patients' Needs	Test 4 (Ch. 7-8) Professional Communication Role-playing Lab	GE A-C
Week 4	Chapter 9 Chapter 10	Preventing Disease Transmission Response to Patients' Needs	Professional Communication Role-playing Lab	GE A-C
	Chapter 11 Chapter 12 Chapter 13 Chapter 14	Patient Assessment Patient Transfer Medications Information Medication Administration	Test 5 (Ch. 9-10) Wheelchair transfer Lab Stretcher transfer lab Vital signs lab	RT11,13,17 GE A-C
Week 5	Chapter 11 Chapter 12 Chapter 13 Chapter 14	Patient Assessment Patient Transfer Medications Information Medication Administration		
		Patient Assessment	Wheelchair transfer Lab	RT11,13,17

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Date	Chapter/Lesson	Content	Assignments Tests	*Competency Area
		Patient Transfer Medications Information Medication Administration	Stretcher transfer lab Vital signs lab	GE A-C
Week 6	Chapter 15 Chapter 16	Emergency Response Dealing With Acute Situations	Test 7 (Ch. 11-14)	RT12-13,17 GE A-C
	Chapter 17 Chapter 18 Chapter 19 Chapter 20	Preparation & Examination of the GI Tract Surgical Asepsis Contrast Media & Special Radiographic Techniques Bedside Radiography: Special Conditions & Environments	Test 8 (Ch. 15-16)	RT12-13,17 GE A-C
Week 7		Preparation & Examination of the GI Tract Surgical Asepsis Contrast Media & Special Radiographic Techniques Bedside Radiography: Special Conditions & Environments		RT1-2,7,15 GE A-C
Week 8	Chapter 21 Chapter 22	Radiography in Surgery Special Imaging Modalities	Test 9 (Ch. 17-20)	
Week 9	Final Exam	Final Exam	Final Exam (Ch. 21-22 included)	RT1-17 GE A-C

*Radiologic Technology Competency Areas:

- (1) Ethics
- (2) Medical and legal consideration
- (3) Right to know law
- (4) Professionalism
- (5) Basic principles of radiation protection
- (6) Basic principles of exposure
- (7) Equipment introduction
- (8) Healthcare delivery systems
- (9) Hospital and departmental organization
- (10) Hospital and technical college affiliation
- (11) Medical emergencies
- (12) Pharmacology/Contrast agents/media
- (13) OR and mobile procedures Patient Preparation
- (14) Death and dying
- (15) Body mechanics/transportation
- (16) Basic Life Support/CPR
- (17) Patient Care in Radiologic Sciences

GENERAL EDUCATION CORE COMPETENCIES:

- The ability to utilize standard written English.
- The ability to solve practical mathematical problems.
- The ability to read, analyze, and interpret information.

*Lesson Plan is subject to change per the discretion of the instructor.



**Southeastern Technical College
Radiologic Technology Degree Program**

I _____ have read and understand the syllabus for RADT 1010. I have also been given the opportunity to ask questions to clarify any requirements listed on the syllabi. By signing this agreement I am acknowledging that I fully understand my requirements and grading criteria that I am responsible for. I agree to follow the guidelines and rules listed on the syllabi.

Print Name

Student Signature

Date