



**RADIOLOGIC TECHNOLOGY  
RADT 1010  
COURSE SYLLABUS  
Lecture  
Fall Semester 2015**

**Semester:** Fall 2015

**Course Title:** Introduction to Radiology

**Course Number:** RADT 1010

**Credit Hours/ Minutes:** 4/3750

**Class Location:** 743

**Class Meets:** Mondays 8:00am-4:00pm  
Tuesdays 8:00am-12:00pm

**CRN:** 20305

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

**Office Hours:** Mondays-Tuesdays: By Appointment

**Office Location:** 708

**Email Address:** [kdunn@southeasterntech.edu](mailto: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. (8<sup>th</sup> ed.). St. Louis, MO: Mosby.  
ISBN: 978-0-323-05178-1

Healthcare Provider Book for CPR (please note that there will be an additional \$25 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.

All students pursuing a degree, a diploma, or a Technical Certificate of Credit with a General Education component will be required to pass the General Education Competency Exams prior to graduation.

**STUDENT REQUIREMENTS:** Students are expected to complete all reading, tests, and daily assignments (workbooks, handouts & projection sheets) by the specified date. Students will also be required to complete laboratory simulations and laboratory evaluations.

**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.*

**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 immunizations, Trajecsys, CPR certification, uniforms, dosimeters, PreCheck

screenings, lead markers, FIT Masks, and medical liability insurance. 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.

*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.

**WORK ETHICS:** The Technical College System of Georgia instructs and evaluates students on work ethics in all programs of study. Ten work ethics traits have been identified and defined as essential for student success: appearance, attendance, attitude, character, communication, cooperation, organizational skills, productivity, respect, and teamwork. Students will be required to take a work ethics exam as marked in the lesson plan. A grade of 70 or better is required to complete the work ethics requirements for this class.

**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.

#### **ADDITIONAL ATTENDANCE PROVISIONS**

##### ***Health Sciences***

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 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. Time and/or work missed due to tardiness or absences must be made up at the convenience 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 or early departures equal one (1) absence for the course.

**In this course, which meets 2 days a week for 8 weeks the maximum number of days a student may miss is 2 days during the semester.**

**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.

**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 accessed 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*.

**Please note that any conduct/behavior that is in violation of program policies and/or procedures will be addressed and resolved in accordance to the Radiologic Technology Academic and Clinical Manual.**

#### **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 Angel, 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](http://www.southeasterntech.edu).

**GRADING POLICY**

Work Ethics	5%
Quizzes/HW	10%
Chapter Tests	50%
Lab Participation	10%
Final Exam	25%

**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 Fall 2015

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	<b>Test 1 (Ch. 1-2)</b>	GE A-C
Week 2	Chapter 5 Chapter 6	Professional Roles and Behaviors Professional Attitudes & Communications	<b>Test 2 (Ch. 3-4)</b>	RT13,15,17 GE A-C
	Chapter 7 Chapter 8	Safety Infection Control Concepts	<b>Test 3 (Ch. 5-6)</b> Isolation technique lab 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	Isolation technique lab Sterile glove lab Sterile field preparation lab Sterile gowning lab	RT13,17 GE A-C
	Chapter 9 Chapter 10	Preventing Disease Transmission Response to Patients' Needs	<b>Test 4 (Ch. 7-8)</b> 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	Patient Assessment Patient Transfer	<b>Test 5 (Ch. 9-10)</b> Wheelchair transfer Lab Stretcher transfer lab Vital signs lab	RT11,13,17 GE A-C
Week 5	Chapter 13 Chapter 14	Medications Information Medication Administration	<b>Test 6 (Ch. 11-12)</b> Medication preparation lab IV infusion drip lab Venipuncture lab	RT11,13,17 GE A-C

## RADT 1010 Fall 2015

Date	Chapter/Lesson	Content	Assignments Tests	*Competency Area
	Chapter 15 Chapter 16	Emergency Response Dealing With Acute Situations	<b>Test 7 (Ch. 13-14)</b>	RT11,17 GE A-C
Week 6	Chapter 17 Chapter 18 Chapter 19	Preparation & Examination of the GI Tract Surgical Asepsis Contrast Media & Special Radiographic Techniques	<b>Test 8 (Ch. 15-16)</b>	RT12-13,17 GE A-C
	Chapter 20 Chapter 21 Chapter 22	Bedside Radiography: Special Conditions & Environments Radiography in Surgery Special Imaging Modalities	<b>Test 9 (Ch. 17-19)</b>	RT1-2,7,15 GE A-C
			<b>Test 10 (Ch. 20-22)</b> <b>Work Ethics Exam</b>	
Week 7	<b>Final Exam</b>	<b>Final Exam</b>	<b>Final Exam</b>	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:

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

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

**Work Ethics Discussion  
Grading Rubric**

<b>Performance</b>	<b>Exceptional 100</b>	<b>Proficient 80</b>	<b>Satisfactory 60</b>	<b>Limited 40</b>	<b>Poor 20</b>
<b>Grammar/ Spelling</b>	Grammatical and Spelling errors do not exist.	Grammatical and Spelling errors are few and cause no comprehension problems.	Grammatical and Spelling errors cause the reader to reread many parts of the paper.	Grammatical and Spelling errors are frequent. Makes paper confusing to read and comprehend.	Grammatical and Spelling errors are so numerous that the paper is hard or impossible to comprehend.
<b>Word Count</b>	<ul style="list-style-type: none"> <li>125 - 150 words</li> </ul>	<ul style="list-style-type: none"> <li>80 – 124 words</li> </ul>	<ul style="list-style-type: none"> <li>50 – 79 words</li> </ul>	<ul style="list-style-type: none"> <li>25-49 words</li> </ul>	<ul style="list-style-type: none"> <li>0 – 24 words</li> </ul>
<b>Scope of Solution</b>	<ul style="list-style-type: none"> <li>Content provides a thorough frame of reference for comprehending the solution; an original solution is provided.</li> </ul>	<ul style="list-style-type: none"> <li>Content provides appropriate factual data but is not original or complete to solve problem or topic.</li> </ul>	<ul style="list-style-type: none"> <li>Content attempts to solve problem or topic but is too vague or disorganized to completely comprehend solution.</li> </ul>	<ul style="list-style-type: none"> <li>Content is not realistic solution to problem or topic.</li> </ul>	<ul style="list-style-type: none"> <li>Content fails to offer a conscientious solution to selected problem or topic.</li> </ul>
<b>Explanation</b>	All Steps are covered. All Questions are answered correctly.	Most Steps are covered and answered correctly.	Most steps are covered but not answered correctly.	Less than half of the steps are covered and answered correctly.	Less than half of the steps are covered and not answered correctly.

## **RADT 1010 Final Exam Discussion Questions**

### **1. Importance of Continued Professional Development Discussion Question**

Please discuss fully the importance of continued professional development. Be sure to include all components. This question should be no longer than 1 page.

### **2. RADT 1010 Final Exam-Professional Obligations Discussion Question**

Please discuss fully your professional obligations upon gaining your ARRT licensure. Be sure to include all components. This question should be no longer than 1 page.

	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>Organization</b>	Sentences and thoughts are very well-organized.	Sentences and thoughts are well-organized.	Sentences and thoughts are somewhat organized.	Sentences and thoughts are not well-organized.	Sentences and thoughts are confusing and not organized.
<b>Grammar</b>	No grammatical errors.	Very few grammatical errors.	Few grammatical errors.	Many grammatical errors.	Lots of grammatical and spelling errors.
<b>Required components of the question</b>	Answered the question fully and with all the required components of professional obligations once ARRT licensure has been earned.	Answered the question fully, but did not completely explain all the professional obligations once ARRT licensure has been earned.	Answered the question, but did not explain the professional obligations once ARRT licensure has been earned.	Did not answer the question fully. Did not discuss the professional obligations once licensure has been earned.	Did not answer the question.



**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