



**RADT 1085 Radiologic Equipment  
COURSE SYLLABUS  
Spring Semester 2018**

**COURSE INFORMATION**

Credit Hours/Minutes: 3/3000  
Class Location: 743  
Class Meets: Monday/8:30 AM – 12:30 PM  
Course Reference Number (CRN): 40197

**INSTRUCTOR CONTACT INFORMATION**

Instructor Name: Tara W. Powell  
Office Location: 714  
Office Hours: Wednesday 8:00 AM – 12:00 PM  
Email Address: [Tara Powell \(tpowell@southeasterntech.edu\)](mailto:tpowell@southeasterntech.edu)  
Phone: 912-538-3152  
Fax Number: 912-538-3106  
Tutoring Hours (if applicable): by appointment

**SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK**

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook \(http://www.southeasterntech.edu/student-affairs/catalog-handbook.php\)](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php).

**REQUIRED TEXT**

Bushong, S., (2017). *Radiologic Science for Technologists: Physics, Biology, and Protection (11<sup>th</sup> edition)*. St. Louis, MO: Elsevier. ISBN: 978-0-323-35377-9

Long, B., Rollins, J., & Smith, B., (2016). *Merrill's Atlas of Radiographic Positioning & Procedures (13<sup>th</sup> Edition)* (Vol. 3). St. Louis, MO: Elsevier. ISBN: 978-0-323-26344-3

**REQUIRED SUPPLIES & SOFTWARE**

Pen, Pencil, Highlighter, Paper, calculator

**COURSE DESCRIPTION**

The content of this course introduces factors that govern and influence the production of the radiographic image using analog and digital radiographic equipment found in diagnostic radiology. Emphasis will be placed on knowledge and techniques required to produce high quality diagnostic radiographic images.

**MAJOR COURSE COMPETENCIES**

1. Radiographic Imaging Equipment Operation
2. Equipment Quality Control, Quality Management, and Maintenance
3. Fluoroscopy (Image Intensified Conventional and Digital Fluoroscopy)
4. Mobile Radiography

**PREREQUISITE(S)**

None

**COURSE OUTLINE****1. Radiographic Imaging Operation**

	<b>Description</b>	<b>Learning Domain</b>	<b>Level of Learning</b>
<b>1.1</b>	Identify components of the radiographic unit to include operating console, x-ray tube construction (anode, cathode, rotor/stator), automatic exposure control, and beam restriction devices.	<b>Cognitive</b>	<b>Knowledge</b>
<b>1.2</b>	Discuss x-ray tube construction, to include electron sources, target materials, induction motor.	<b>Cognitive</b>	<b>Comprehension</b>
<b>1.3</b>	Define potential difference, current (alternating and direct) and resistance.	<b>Cognitive</b>	<b>Knowledge</b>
<b>1.4</b>	Describe electrical protective devices such as ground and circuit breaker.	<b>Cognitive</b>	<b>Knowledge</b>
<b>1.5</b>	Identify the general components and functions of the tube and filament circuits.	<b>Cognitive</b>	<b>Knowledge</b>
<b>1.6</b>	Identify the function of solid-state rectification.	<b>Cognitive</b>	<b>Knowledge</b>
<b>1.7</b>	Compare generators in terms of radiation produced and efficiency.	<b>Cognitive</b>	<b>Analysis</b>
<b>1.8</b>	Discuss basic principles of x-ray generators, transformers (step up, step down and autotransformer), and rectification systems (phase, pulse, and frequency).	<b>Cognitive</b>	<b>Comprehension</b>
<b>1.9</b>	Discuss permanent installation of radiographic equipment in terms of purpose, components, types and applications.	<b>Cognitive</b>	<b>Comprehension</b>
<b>1.10</b>	Describe the operation and applications for different types of beam-limiting devices.	<b>Cognitive</b>	<b>Knowledge</b>
<b>1.11</b>	Explain the impact beam filtration has on x-ray beam intensity, beam quality and resultant patient exposure.	<b>Cognitive</b>	<b>Comprehension</b>
<b>1.12</b>	Describe the change in the half value layer (HVL) when filtration is added or removed in the beam.	<b>Cognitive</b>	<b>Comprehension</b>
<b>1.13</b>	Describe functions of components of automatic exposure control (AEC) devices.	<b>Cognitive</b>	<b>Comprehension</b>
<b>1.14</b>	Demonstrate proper use of AEC devices, to include radiation detectors, back-up timer and density adjustment (e.g. +1 or -1).	<b>Cognitive</b>	<b>Guided Response</b>
<b>1.15</b>	Identify the components of diagnostic x-ray tubes.	<b>Cognitive</b>	<b>Knowledge</b>
<b>1.16</b>	Explain protocols used to extend x-ray tube life.	<b>Cognitive</b>	<b>Comprehension</b>

**2. Equipment Quality Control, Quality Management, and Maintenance**

	<b>Description</b>	<b>Learning Domain</b>	<b>Level of Learning</b>
<b>2.1</b>	Differentiate between quality improvement/management, quality assurance and quality control.	<b>Cognitive</b>	<b>Analysis</b>

	Description	Learning Domain	Level of Learning
2.2	List the benefits of a quality management program to the patient and to the department.	Cognitive	Knowledge
2.3	List elements of a quality management program and discuss how each is related to the quality management program.	Cognitive	Knowledge
2.4	Discuss the proper test equipment/procedures for evaluating the operation of an x-ray generator.	Cognitive	Comprehension
2.5	Evaluate the results of basic QC tests, to include mAs reciprocity, mA linearity, timer accuracy, light field to radiation field alignment, collimator accuracy, central ray alignment and monitor calibration.	Cognitive	Evaluation
2.6	Discuss quality control of digital imaging receptor systems, to include artifacts, maintenance, and display monitor quality assurance.	Cognitive	Comprehension
2.7	Discuss quality control of lead apron and glove testing.	Cognitive	Comprehension

### 3. Fluoroscopy (Image Intensified Conventional and Digital Fluoroscopy)

	Description	Learning Domain	Level of Learning
3.1	Explain the use of standardized radiographic technique charts.	Cognitive	Comprehension
3.2	Identify components of the fluoroscopic unit (fixed and mobile), to include image intensifier, viewing systems, automatic brightness control and magnification mode.	Cognitive	Knowledge
3.3	Explain conventional image-intensified and digital fluoroscopic image formation.	Cognitive	Comprehension
3.4	Discuss gain and conversion factors as they relate to image intensification.	Cognitive	Comprehension
3.5	Discuss automatic brightness control (ABC), image intensifier positioning, magnification mode, kerma display and last image hold.	Cognitive	Comprehension
3.6	Explain brightness gain (product of flux gain and minification gain), multiframe intensifiers, and magnification	Cognitive	Comprehension
3.7	Identify fluoroscopic recording equipment.	Cognitive	Comprehension

### 4. Mobile Radiography

	Description	Learning Domain	Level of Learning
4.1	Discuss mobile units in terms of purpose, components, types and applications.	Cognitive	comprehension

### GENERAL EDUCATION CORE COMPETENCIES

Southeastern Technical College 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.

## **STUDENT REQUIREMENTS**

**Prior to the discussion of each chapter in class, the student is expected to complete the following:**

1. Read the assigned chapter.
2. Know the answers to the review questions at the end of each chapter.
3. Know the definitions of the key terms listed at the beginning of each chapter.
4. Complete all activities for assigned chapter.

Completed worksheets and any laboratory performed will be due the day of the corresponding chapter test is given. Worksheets are to assist in reviewing course materials and students are expected to perform any additional preparation for tests on their own. No study guides will be given and no grades will be dropped in this course. Cellphones should not be used during the class for any reason and students found utilizing their cellphone during the class period will automatically receive a zero on the following test.

## **TESTING POLICY**

Prior to beginning any exam, all students are required to place all textbooks and personal property underneath the whiteboard in the front of the classroom. No talking is allowed once the exam begins. Once a student completes his/her exam, he/she will turn the exam paper over and remain at his/her desk quietly until everyone has finished with the exam. This will prevent other students from being distracted as students exit. Then, the instructor will take up all exam papers. Students found with their cell phone or any other personal communication device during the exam will be considered cheating and given a zero for the exam.

Students will be allowed 30 minutes for 25 question tests, 60 minutes for 50 question tests, and 2 hours for 100 question tests. If a student believes he/she needs more time to take an exam than the allotted time they will need to contact [Helen Thomas](mailto:hthomas@southeasterntech.edu), 912-538-3126, [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), to coordinate reasonable accommodations.

## **FINAL EXAM**

A comprehensive final exam will be given to students at the end of the course to evaluate student learning of course competencies. The comprehensive final exam will be 100 questions.

## **LABORATORY ACTIVITIES**

All students will be required to adhere to the program Laboratory Policy while performing laboratory activities during RADT 1085. Students are required to purchase a radiation dosimeter on the first day of classes. Students must wear their dosimeters while performing laboratory activities requiring an exposure. Any student who does not have their dosimeter on the day laboratory activities are scheduled will forfeit the laboratory activity and receive a grade of 0 for the laboratory.

## **RADIOLOGIC TECHNOLOGY LABORATORY POLICY**

- 1) Laboratory use is restricted to only those students enrolled in the program of Radiologic Technology.
- 2) Laboratory use is restricted to educational assignments only.
- 3) All laboratory experiences will be conducted under direct supervision by program faculty/a qualified radiographer.
- 4) All students must wear radiation monitoring devices during all laboratory assignments requiring an exposure.
- 5) All persons must go into the control area during a radiographic exposure.
- 6) Laboratory doors must be closed during exposures.
- 7) Only phantoms or non-living objects may be used as subjects when performing an experiment or practice examination.

- 8) Care must be taken in the handling of phantoms. They are heavy and very expensive.
- 9) Care must be taken in the handling of all other equipment and supplies.
- 10) All items must be returned to their designated place in the laboratory after use.
- 11) Students are responsible for the proper use of the processor.
  - a. Chemicals used in the darkroom will adhere to the following guidelines:
    - I. All chemicals used by the Radiologic Technology program students will be stored in marked containers and labeled accordingly.
    - II. All chemicals will be used and/or disposed of under conditions as recommended by the manufacturer.
    - III. Material Safety Data Sheets (MSDS) will be maintained on all chemicals.
- 12) Student radiographs must either be submitted to the appropriate faculty member or placed in the reject film container.
- 13) The laboratory must be kept neat and clean. Students are responsible for maintaining the laboratory when performing experiments or practice procedures.
  - a. Cassettes shall be refilled and returned to the cassette credenza in the control area.
  - b. The film bin shall be kept full and organized.
  - c. Trash shall be discarded of in an appropriate trash container.
  - d. Safelights and overhead lights shall be turned off or unplugged when leaving the lab.
- 14) After use of the table and upright bucky will be cleaned with antiseptic solution.
- 15) Any non-functioning equipment must be reported to a faculty member as soon as possible.

\* These rules apply to all radiographic rooms that are used for any lab assignments. \*

### **CELL PHONE POLICY**

Cell phones are not to be utilized in the classroom or laboratory unless being used as an academic tool during classroom activities that are approved by the instructor. Students utilizing their cellphone for non-academic purposes during class or laboratory (texting, talking on or, emailing, etc.), will receive a zero on their next chapter test grade. In the event of an emergency, such as a sick family member or sick child, 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 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" (Failing 0-59) 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 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. A tardy will be issued if a student has missed less than 20% of instructional class time. An automatic absence will be issued if the student misses greater than 20% of instructional class time. This averages out to 10 minutes per hour. For example, a class that meets from 9:00-11:30 will be considered absent if he/she is not in class by 9:30.

The didactic portion of the class will meet for 60 hours. A student can miss a maximum of 6 hours. Students missing more than 6 hours (1.5 class meetings) will be dropped for exceeding the attendance policy.

### **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 [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 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 [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 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" (Withdrawn) 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 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.

### **MAKEUP GUIDELINES**

A grade of zero will be assigned for any missed assignment regardless of the reason.

### **ACADEMIC DISHONESTY POLICY**

The Southeastern Technical College Academic Dishonesty Policy states that 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 Southeastern Technical College Catalog and Handbook.

### **PROCEDURE FOR ACADEMIC MISCONDUCT**

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

#### **1. 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.

#### **2. Second Offense**

Student is given a grade of "WF" (Withdrawn Failing) 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.

#### **3. 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 third 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**

The Technical College System of Georgia and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member 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).

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 108 Phone: 912-538-3126 Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas</a> <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Blythe Wilcox, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3147 Email: <a href="mailto:bwilcox@southeasterntech.edu">Blythe Wilcox</a> <a href="mailto:bwilcox@southeasterntech.edu">bwilcox@southeasterntech.edu</a>

### ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

### GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College’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 [Southeastern Technical College \(STC\) Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

### TECHNICAL COLLEGE SYSTEM OF GEORGIA (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.*

### GRADING POLICY

Assessment/Assignment	Points
Tests	350
Worksheets	75
Laboratory	75
Final Exam	100
Total possible points	600

### GRADING SCALE

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



## RADT 1085 Radiologic Equipment Spring Semester 2018 Lesson Plan

Date/Week	Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
Week 1 January (Jan) 8		Review Syllabus, classroom policies, etc.	Read Electromagnetic Energy & Electricity, magnetism, and Electromagnetism – Chapters 3 & 4	1/a,b,c
		Lecture - Electricity, magnetism, and Electromagnetism	Worksheets	1/a,b,c
Jan 15		MLK – Holiday – No Class		
Week 2 Jan 22		<b>Test</b> – Electromagnetic Energy & Electricity, magnetism, and Electromagnetism – Chapter	Read The X-ray Imaging System - Chapter 5 & Mobile Radiography (Handout)	1/a,b,c
		Lecture chapter - The X-Ray Imaging System & Mobile Radiography	Worksheets	4/a,b,c
Week 3 Jan 29		<b>Test</b> – The X-Ray Imaging System & Mobile Radiography	Read The X-Ray Tube - Chapter 6	1,4/a,b,c
		Lecture - The X-Ray Tube	Worksheets	1/a,b,c
Week 4 February (Feb) 5		<b>Test</b> – The X-Ray Tube	Read X-Ray Production – Chapter 7	1/a,b,c
		Lecture – X-ray Production	Laboratory Worksheets	1/a,b,c
Week 5 Feb 12		<b>Test</b> – X-ray Production	Read Emission – Chapter 8	1/a,b,c
		Lecture – X-Ray Emission	Worksheets	1/a,b,c
Week 6 Feb 19		<b>Test</b> – X-Ray Emission	Read X-Ray interactions with Matter – Chapter 9	1/a,b,c

Date/Week	Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
		Lecture – X-Ray interactions with Matter	Worksheets	1/a,b,c
Week 7 Feb 26		<b>Test</b> – X-Ray interactions with Matter	Read Scatter Radiation – Chapter 11	1/a,b,c
		Lecture – Scatter Radiation	Laboratory Worksheets	2/a,b,c
Week 8 March (Mar) 5		<b>No Class - Clinic<sup>†</sup></b>	Read Scatter Radiation – Chapter 11	2/a,b,c
Week 9 Mar 12		<b>Test</b> – Scatter Radiation	Read Medical Imaging Computer Science – Chapter 14	2/a,b,c
		Lecture – Medical Imaging Computer Science	Worksheets	1/a,b,c
Week 10 Mar 19		<b>Test</b> - Medical Imaging Computer Science	Read Computed Radiography – Chapter 15	1/a,b,c
		Lecture – Computed Radiography	Laboratory Worksheets	1/a,b,c
Week 11 Mar 26		<b>Test</b> - Computed Radiography	Read Digital Radiography – Chapter 16	1/a,b,c
		Lecture – Digital Radiography	Worksheets	1/a,b,c
Week 12 April (Apr) 9		<b>Test</b> – Digital Radiography	Read Digital Radiographic Artifacts & Digital Radiographic Quality Control – Chapter 21 & 22	1/a,b,c
		Lecture – Digital Radiographic Artifacts & Digital Radiographic Quality Control	Laboratory Worksheets	2/a,b,c
Apr 2		Spring Break – No Classes		
Week 13 Apr 16		<b>Test</b> – Digital Radiographic Artifacts & Digital Radiographic Quality Control	Read Fluoroscopy – Chapter 25	2/a,b,c

Date/Week	Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
		Lecture - Fluoroscopy	Worksheets	1,3/a,b,c
Week 14 Apr 23		<b>Test</b> - Fluoroscopy	Read Digital Fluoroscopy – Chapter 26	1,3/a,b,c
		Lecture – Digital Fluoroscopy	Laboratory Worksheets	1,3/a,b,c
Week 15 Apr 30		<b>Test</b> – Digital Fluoroscopy	Review all Chapters for Final Exam – Chapters 3,4,5,6,7,8,9,10,11,14,15,16,21,22,25,26	1,3/a,b,c
May 2		<b>Final Exam – 8:00 AM</b>		1,2,3,4/a,b,c

**COMPETENCY AREAS:**

1. Radiographic Imaging Equipment Operations
2. Equipment Quality control, Quality Management, and Maintenance
3. Fluoroscopy (Image Intensified Conventional and Digital Fluoroscopy)
4. Mobile Radiography

**GENERAL CORE EDUCATIONAL 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.

**Southeastern Technical College**  
**Radiologic Technology Degree Program**

I \_\_\_\_\_ have read and understand the syllabus for RADT 1085. 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