

RADIOLOGIC TECHNOLOGY

Course Title: INTRODUCTION TO RADIOGRAPHY
Course Prefix: RAD 101
Lab Hours: 0
Lecture Hours: 2.0
Credit Hours: 2.0

[Distance Learning Attendance/VA Statement](#)
[Textbook Information](#)

COURSE DESCRIPTION

This course provides an introduction to Radiologic Technology with emphasis on the profession of Radiologic Technology, ethical and medicolegal issues, patient awareness and communication, customer service, and basic radiation protection.

Module I: Introduction to the Profession of Radiologic Technology

- Outline major events in radiology history.
- Differentiate between professional organizations, credentialing agencies, and accrediting agencies.
- Discuss the development of Radiologic Technology as a profession.
- Discuss the history and purpose of the ARRT.
- Discuss the history and purpose of the ASRT.
- Outline the minimum education requirements for entry-level practice as a Radiographer.
- Identify the agencies involved in accrediting educational programs in Radiologic Technology.
- Discuss some of the essential requirements and guidelines to which the accredited radiologic technology programs must adhere to.

Module II: The Role of a Radiologic Technologist

- Describe the career opportunities available in the profession.
- Discuss the educational requirements/opportunities and additional advanced credentialing.
- Differentiate between other health science professionals' roles in the clinical setting.
- Discuss Radiography Practice Standards.
- Define the role a radiographer performs on a day to day basis.
- Describe the organization of the Radiology Department.

Module III: Customer Service and Professionalism

- Define customer service in the health care setting.
- Identify the customers of radiology services.
- Define quality customer service.
- Describe the components of a successful customer service strategy.
- Describe strategies for dealing with the difficult customer.

- Discuss and demonstrate proper telephone etiquette when using a business telephone.
- Define strategies that will provide effective communication skills when interacting with patients and other professionals.

Module IV: Ethics and Patient Rights

- Describe ethical obligations that the RT has to both patients and colleagues.
- Distinguish between morals, ethics, and law.
- Discuss the Code of Ethics of the ASRT.
- Discuss the Patient's Bill of Rights and identify examples where a patient's rights have been breached.

Module V: Medicolegal Issues

- Define the following terms and identify examples of intentional tort, assault, battery, false imprisonment, libel and slander, invasion of privacy, unintentional misconduct (negligence), duty (standard of care), breach of care, cause, injury, malpractice.
- Describe and identify examples of the following: Doctrine of Personal Liability, Doctrine of Respondeat Superior, Doctrine of Res Ipsa Loquitur.
- Discuss liability and malpractice and identify examples of each.
- Define informed consent and identify conditions necessary in obtaining informed consent.
- Discuss the medicolegal issues relating to medical records and radiology reports.
- Outline health care distribution.

ENTRY-LEVEL SKILLS

A student entering this course must be enrolled in the first semester of the Radiologic Technology Program.

PREREQUISITES: None

COREQUISITES: RAD 102, RAD 152, BIO 210

METHODS OF INSTRUCTION

Principles will be introduced by the instructor through lecture, viewing video tapes and computer-based lessons, role-playing, laboratory activities, and demonstration.

COURSE REQUIREMENTS

All students are responsible for attaining competencies through the completion of the following course requirements:

- Attending class (See **Handbook and Catalog** for attendance policy)
- Reading all assigned materials as listed in the syllabus addendum.
- Participating in all class activities and tests as scheduled and as listed in the syllabus addendum.
- Completing all CAI assignments

ACADEMIC INTEGRITY

The policies stated in the *YTC Handbook and Catalog* and *Radiologic Technology Student Manual* will be enforced. Any student violating the policy will be subject to academic discipline as stated.

ATTENDANCE POLICY

The attendance policy stated in the *Radiologic Technology Student Manual* will be enforced. Except in exceptional circumstances, days missed in excess of 10% of the number of class meetings will result in a grade of F.

GRADING PROCEDURES

Approximately five unit tests will be given as outlined in the syllabus. Any pop quizzes may be unannounced and will be averaged together at the end of the semester to be given the weight of one unit test. Pop quizzes may not be made up. CAI grades will also be averaged together at the end of the semester to be given the weight of one unit test. A student that makes a failing grade (below 80) on any unit test will be required to not only take the comprehensive final exam at the end of the semester but average the final exams grade into their course grade unless an "A" average is maintained at the time that the final exam is scheduled. Any student that requires more than one make-up test will be required to take a comprehensive final exam. The final exam will count 1/3 of the final grade.

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| UNIT TESTS (5) | - | 67% |
| FINAL EXAM | - | 33% |
| FINAL GRADE | | 100% |

As with all RAD courses, the grading scale is as follows:

| GRADE | SCORE |
|-------|----------|
| A | 93-100 |
| B | 86-92 |
| C | 80-85 |
| D | 70-79 |
| F | Below 70 |

See the *Radiologic Technology Student Manual* for additional information.

Disabilities Statement: Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.