



Western Technical College

10526174 ARRT Certification Seminar

Course Outcome Summary

Course Information

Description Provides preparation for the for the national certification examination prepared by the American Registry of Radiologic Technologists. Simulated registry examinations are utilized.

Total Credits 2

Pre/Corequisites

Prerequisite 10526158 Introduction to Radiography

Textbooks

No textbook required.

Learner Supplies

Corectec Review Course Online. **Vendor:** eCampus <https://westerntc.ecampus.com>. Required.

Success Abilities

1. Live Responsibly: Develop Resilience

Program Outcomes

1. Apply critical thinking and problem-solving skills in the practice of diagnostic radiography

Course Competencies

1. **Prepare for the ARRT examination**
Assessment Strategies

- 1.1. by creating an action plan

Criteria

- 1.1. action plan includes the process of application for certification and licensure
- 1.2. action plan includes plan for studying for the examination(s)

Learning Objectives

- 1.a. Examine the content areas of the ARRT exam
- 1.b. Evaluate oneself on the content areas of the ARRT
- 1.c. Arrange a study area for preparation of examination
- 1.d. Develop a study schedule for preparation of examination

2. Demonstrate competence in safety

Assessment Strategies

- 2.1. by taking a sample registry exam
- 2.2. by preparing an oral or written reflection on your performance

Criteria

- 2.1. you answer questions related to biological aspects of radiation
- 2.2. you answer questions related to Minimizing Patient Exposure
- 2.3. you answer questions related to personnel protection
- 2.4. you answer questions related to radiation exposure and monitoring
- 2.5. reflection describes learning goals
- 2.6. reflection presents a realistic picture of your current skill level prior to review
- 2.7. reflection accurately describes the skill level needed to perform competently on the ARRT examination
- 2.8. reflection includes specific strategies for continued improvement of your skills if needed

Learning Objectives

- 2.a. Acquaint self with the content areas on radiation protection outlined in the ARRT content specs
- 2.b. Assess oneself on the understanding of specific content areas on radiation protection
- 2.c. Organize specific information related to the each major content area related to radiation protection
- 2.d. Consolidate all radiation protection information and concepts

3. Demonstrate competence in image production

Assessment Strategies

- 3.1. by taking a sample registry exam
- 3.2. by preparing an oral or written reflection on your performance

Criteria

- 3.1. you answer questions related to principles of radiation physics
- 3.2. you answer questions related to radiographic equipment
- 3.3. you answer questions related to quality control of radiographic equipment and accessories
- 3.4. you answer questions related to selection of technical facts
- 3.5. you answer questions related to image processing and quality assurance
- 3.6. you answer questions related to criteria for image evaluation
- 3.7. reflection describes learning goals
- 3.8. reflection presents a realistic picture of your current skill level prior to review
- 3.9. reflection accurately describes the skill level needed to perform competently on the ARRT examination
- 3.10. reflection includes specific strategies for continued improvement of your skills if needed

Learning Objectives

- 3.a. Consolidate all image production and evaluation information and concepts
- 3.b. Organize specific information related to the each major content area related to image production and evaluation
- 3.c. Assess oneself on the understanding of specific content areas on image production and evaluation
- 3.d. Acquaint self with the content areas on image production and evaluation outlined in the ARRT Content Specs
- 3.e. Assess oneself on the understanding of specific content areas in equipment operation and quality control
- 3.f. Assess oneself on the understanding of specific content areas in equipment operation and quality control
- 3.g. Consolidate all equipment operation and quality control information and concepts

4. Demonstrate competence in procedures

Assessment Strategies

- 4.1. by taking a sample registry exam
- 4.2. by preparing an oral or written reflection on your performance

Criteria

- 4.1. you answer questions related to thorax
- 4.2. you answer questions related to abdomen and GI studies
- 4.3. you answer questions related to urological
- 4.4. you answer questions related to spine and pelvis
- 4.5. you answer questions related to cranium
- 4.6. you answer questions related to extremities
- 4.7. you answer questions related to other procedures
- 4.8. reflection describes learning goals
- 4.9. reflection presents a realistic picture of your skill prior to the learning experience
- 4.10. reflection accurately describes your new skill level
- 4.11. reflection includes specific strategies for continued improvement of your skills if needed

Learning Objectives

- 4.a. Consolidate all radiographic procedures information and concepts
- 4.b. Organize specific information related to the each major content area related to radiographic procedures
- 4.c. Acquaint self with the content areas in radiographic procedures outlined in the ARRT content specs
- 4.d. Assess oneself on the understanding of specific content areas in radiographic procedures

5. Demonstrate competence in patient care

Assessment Strategies

- 5.1. by taking a sample registry exam
- 5.2. by preparing an oral or written reflection on your performance

Criteria

- 5.1. you answer questions related to thorax
- 5.2. you answer questions related to abdomen and GI studies
- 5.3. you answer questions related to urological
- 5.4. you answer questions related to spine and pelvis
- 5.5. you answer questions related to cranium
- 5.6. you answer questions related to extremities
- 5.7. you answer questions related to other procedures
- 5.8. reflection describes learning goals
- 5.9. reflection presents a realistic picture of your skill prior to the learning experience
- 5.10. reflection accurately describes your new skill level
- 5.11. reflection includes specific strategies for continued improvement of your skills if needed

Learning Objectives

- 5.a. Acquaint self with the content areas on patient care and education outlined in the ARRT content specs
- 5.b. Assess oneself on the understanding of specific content areas on patient care and education
- 5.c. Organize specific information related to the each major content area related to patient care and education
- 5.d. Consolidate all patient care and education information and concepts