

RADT A216: ADVANCED RADIOLOGIC PATIENT CARE

Item	Value
Curriculum Committee Approval Date	12/02/2020
Top Code	122500 - Radiologic Technology
Units	2 Total Units
Hours	54 Total Hours (Lecture Hours 27; Lab Hours 27)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

Multi-skill preparation for the allied health professional including management communication skills and business management concepts, and contrast media administration limited to the upper extremity. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Demonstrate successful Venipuncture of the upper extremity on an anatomical phantom for purpose of contrast media administration.

Course Objectives

- 1. List the steps for successful conflict resolution*
- 2. Describe the skills necessary for workplace success*
- 3. Demonstrate effective technical writing skills*
- 4. Describe the development of the American Healthcare delivery system*
- 5. Describe the financial aspects of Radiology management*
- 6. Correctly identify common veins used in venipuncture*
- 7. Describe appropriate venipuncture technique*
- 8. Define sterile technique and standard body fluid precautions to be utilized during Venipuncture*
- 9. List the steps for injection of contrast media with possible complications*
- 10. Describe the legal documentation required when injecting contrast media
- 11. Correctly identify common and lethal rhythms*
- I *Denotes SCANS Skills

Lecture Content

A. Management Skills and Concepts 1. Conflict resolution - The art of negotiation - Problem-solving negotiation rules - Conflict resolution exercise 2. Success in the Workplace - Resources - Interpersonal Skills - Systems - Technology 3. Technical writing - Handout technical writing package developed for health care professionals - Explain assignment and define parameters and due dates 4. Overview of the development of the American healthcare delivery system

-Factors that affect the economics of the healthcare system
-Retrospective and Prospective reimbursement
-Measuring productivity in healthcare
-Healthcare consumerism
5. Financial Aspects of Radiology/Hospital Management
nb -Function of a budget -Formulating expenses, reimbursements and IDC codes -The relationship between costs and patient charges
6. Radiology Department Management
-Administrative and management structure - Setting operational standards -Establishing performance standards/ QA models and functions -Measurement of radiology department efficiency -The role of sectional supervisors
B. Practice 1. Continue to work on venipuncture skills 2. Work on technical writing projects
C. Final 1. Demonstration for venipuncture 2. Demonstration for injection of contrast media 3. Final written exam

Lab Content

Venipuncture for Contrast Administration 1. Regulatory/safety considerations 2. Equipment and supplies 3. Procedural considerations 4. Venipuncture procedure 5. Location of veins 6. Begin practice of venipuncture technique on anatomical arms 7. Special Procedures: - Injecting contrast media - Therapeutic drug monitoring - Required documentation

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- Lab (04)
- DE Live Online Lab (04S)

Instructional Techniques

Lecture and application of ideas Demonstration of various approaches to problem solving Class discussions Skills demonstrations with return demonstrations

Reading Assignments

1 hour per week, assigned from text and other sources

Writing Assignments

1 hour per week Technical writing assignments; case studies, resume writing, and situational resolution

Out-of-class Assignments

1 hour per week to be assigned based on reading assignments, lab activities, and clinical experiences

Demonstration of Critical Thinking

Written multiple choice tests, skills demonstrations, problem solving exercises, technical writing assignment, final written exam.

Required Writing, Problem Solving, Skills Demonstration

Technical writing assignments, not to exceed 10% of the grade

Eligible Disciplines

Radiological technology: Any bachelors degree and two years of professional experience, or any associate degree and six years of professional experience.

Textbooks Resources

1. Required Alder, A., Carlton, R. . Introduction to Radiologic Imaging Sciences Patient Care, 6th ed. Elsevier/Mosby, 2016 Rationale: - 2. Required Long, B. W., Hall Rollins, J, Smith, B. J.. Merrills Atlas of Radiographic Position and Procedures, 13th ed. Elsevier/Mosby, 2016