

**SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
RADIOLOGIC TECHNOLOGY
Revision Date: 8/2023**

I. CATALOG DESCRIPTION

Course Number: RADT 2277
Course Title: Radiology Capstone
Prerequisite(s):

Catalog Description: Creation of a capstone project that encompasses Quality Management and good practice in Radiology.

Credit Hours: 1
Class Hours: 16
Lab Hours: 0
Total Contact Hours: 16

II. COURSE OBJECTIVES: *Course will:*

1. Synthesize learned material in the form of a project.
2. Analyze components of Quality Management and Risk Analysis.
3. Discuss the role of a radiographer in Quality Management.
4. Explain the role of each member of the Radiology Team in quality care.
5. Explain the processes involved in quality imaging and quality patient care.

Note: Unit objectives are located in the learning management system within each unit of study.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *Student will be able to:*

1. Interpret the impact of quality imaging on patient care and its subsequent results.
2. Correlate Quality Management principles with care for patients.
3. Analyze quality management and best patient outcome.

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO 2: Written Communication

OUTCOME: The student will comprehend, analyze, and evaluate a given text.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

A. DESIGNING A CAPSTONE PROJECT

1. Project Overview
2. Components

B. RESEARCH FOR A CAPSTONE PROJECT

1. Develop Content
2. Research Components

C. SYNTHESIZE A CAPSTONE PROJECT

1. Format
2. Citations
3. Conclusions
4. Analysis

V. INSTRUCTIONAL MATERIALS

A. Required Text(s):

Bushong, Stewart C. *Radiologic Science for Technologists*. Mosby Elsevier, current edition.

Carlton, Richard R., Adler, Arlene M. *Principles of Radiographic Imaging an Art and a Science*. Thompson, current edition.

Papp, Jeffrey *Quality Management in the Imaging Sciences*. Mosby Elsevier, current edition.

B. Other Resources:

Course Study Materials

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

1. Discussion
2. Learning Activities/ Games
3. Handout Materials
4. Research Assignments

VII. METHODS OF EVALUATION

A. Please see course CID for methods of evaluation.

SCC STANDARD GRADING SCALE POLICY:

A+	95-100	C+	75-79
A	90-94	C	70-74
B+	85-89	D+	65-69
B	80-84	D	60-64
		F	Below 60

VIII. SPECIFIC COURSE REQUIREMENTS

- A. **Attendance:** Attendance is crucial to achieving success in this course. Any class missed could mean valuable missed information which is difficult to obtain. Please notify the instructor of any pending absences or if you will be late to class. Excessive absences may result in failing the course.
- B. **Program Courses:** Must pass all program courses with a 75% to progress in the program.

Please see Course Information Document for course policies related to grading, expectations, assignments, assessments, and participation.