

COURSE OUTCOME MATRIX COURSE SYLLABUS PART 2 of 3

Course Number and Title	RA 101 Imaging Procedures I and Image Analysis
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Credit Hours	3
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Course Description	Radiologic positioning is designed to acquaint the student with the basic positions used in radiography. This includes anatomy, positioning nomenclature, and anatomical landmarks. There will be a lab component in this course. Introduction to radiation protection will be included. Both the didactic and lab components must be successfully completed to advance to the next course.
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Prerequisite(s) and/or Corequisite(s)	Admission to the program None
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Required Textbooks/References/Course Materials:

Merrill's Atlas of Radiographic Positioning and Procedures	15th	Rollins, Long, Faeirs, and Curtis	Elsevier	ISBN-13: 978-0323832793
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General Education Outcomes	
1	Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency).
4	Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

Program/Department Outcomes	
1	Prepare students to become safe and competent radiographers.
2	Provide educational opportunities for students to possess critical thinking skills.
3	Demonstrate responsible professional attitudes and behaviors.
4	Use effective communication.

	Course Outcomes (CO)	Bloom's Domain for CO (C, A, P), Category, and Level	Program/Department Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Identify proper positioning and technical methods.	P Manipulate 2	1,2,4	1	1	1	1	1	1

2	Demonstrate the proper use of lab equipment.	P Manipulate 2	1,2	0	1	1	1	1	0
3	Use protocols learned in lab	P Manipulate 2	1,2,4	0	1	1	1	1	0
4	Recognize the necessity for quality images.	C Remembering 1	2,4	1	1	1	0	0	0
5	Demonstrate positioning skills in chest, abdomen, and upper & lower extremity radiography	C Applying 3	1-4	1	1	1	1	0	1
6	Analyze images for quality and anatomy visualized.	C Analyzing 4	1, 2,4	1	1	1	1	1	1

Bloom's Domain Legend

C = Cognitive
A = Affective
P = Psychomotor

General Education Outcome Legend

2 = Included and Measurable
1 = Introduced and/or Minimally Addressed and Not Measurable
0 = Not included

Approved: May 2021
Reviewed: October 29, 2021