COURSE OUTCOME MATRIX COURSE SYLLABUS PART 2 of 3

Course Numbe	r and Title RA 201 Radiation Biology and Advanced Radiation Protection				
Credit Hours	2				
Prerequisite(s)	Admission to the program				
and/or Corequisite(s)	None				

Required Textbooks/References/Course Materials:

Radiation Protection in Medical Radiography - Workbook	8th	Statkiewicz-Sherer, Mary Alice	Elsevier	0323555098
Radiation Protection in Medical Radiography	8th	Statkiewicz Sherer, Mary Alice	Elsevier	0323446663

	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	Know cell biology.	C Remembering 1	1,4	1	1	1	0	0	0
2	Explain the effects of ionizing radiation on body systems.	C Understanding 2	1,2,4	1	1	1	1	0	0
3	Differentiate SI and standard radiation quantities, units and perform conversions.	C Analyzing 4	1,2,4	1	1	1	1	1	0
4	Recognize dose standards for occupational, non-occupational and special populations.	C Remembering 1	1	1	1	1	1	1	1
5	Identify radiation safety measures including monitoring devices.	C Remembering 1	1-3	1	1	1	1	1	0
6	Discover a current legislative issue impacting radiation safety of the public.	C Applying 3	2-4	1	1	1	1	0	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

May 2021 Approved:

October 29, 2021 Reviewed: