

Northwestern State University
College of Nursing and School of Allied Health

Bachelor of Sciences in Radiologic Sciences

Student Learning Outcomes

2016-2017

Northwestern State University Mission Statement: NSU is a responsive, student-oriented institution that is committed to the creation, dissemination, and acquisition of knowledge through teaching, research, and service. The University maintains as its highest priority excellence in teaching in graduate and undergraduate programs. Northwestern State University prepares its students to become productive members of society and promotes economic development and improvements in the quality of life of the citizens in its region.

College of Nursing and School of Allied Health Mission Statement: NSU CONSAH serves the people of Louisiana and in so doing improves the health of its citizens while advancing the mission of Northwestern State University through excellence in accessible undergraduate, graduate, and continuing education programs that are designed to assist individuals in achieving their professional goals as responsible and contributing members of their profession and society.

School of Allied Health Mission Statement: The SAH at NSU is dedicated to providing high quality undergraduate and graduate programs that prepare individuals for a variety of professional healthcare roles and to be conscientious, contributing members of their profession and society.

BSRS Mission

The mission of the Radiologic Sciences Program is to provide students with advanced knowledge and skills through guided experiences and clinical practice that culminates in professional radiologic technologists becoming an integral part of the healthcare community and society.

Bachelor of Science in Radiologic Sciences Purpose and Objectives:

BSRS Program Purpose

To provide students with the education and skills to function as an integral part of the health care community and the opportunity for advancement in the allied health professions.

- To provide opportunities which will enhance the development of roles in the radiologic sciences professions
- To provide a foundation for radiologic science professionals to become lifelong learners and to strive for continued professional growth

BSRS Program Objectives

Graduates of the BSRS program should be able to:

- Perform quality radiographic procedures.
- Develop assessment skills of a radiographer.
- Evaluate a clinical situation and perform accordingly using critical thinking skills.
- Propose a plan to respond to imaging department scenarios.
- Demonstrate service to the profession and the community.
- Integrate adherence to professional behaviors.
- Develop oral and written communication skills.

Goal 1: Students will be CLINICALLY COMPETENT radiologic technologist.

Student Learning Outcomes	Tool	Benchmark	Results						Met/Unmet	Analysis/Action	
1.1 Students will perform quality radiographic procedures.	A. RADS 4611 (Clinic 4): Clinical Instructor Evaluation of Student Q16: Quality of work and performance	100% of students will score at least 3.5/5 on the quality of work and performance question.					2016	2015	Unmet	One student scored below a 3.5. This student was counseled during evaluations. The year-to-year trend was dropping, so all students were counseled as to importance of improving quality of work.	
	N				25	32					
	Met				24						
	%				96	100					
	Mean				3.96	4.25					
	Range				3-4	4-5					
	B. RADS 3310 (Positioning I): Comprehensive Lab Final Exam	100% of students will score 85 or higher					2017	2016	Unmet	Faculty will increase lab times during class, add more practice labs, review sessions and provide supplemental material for tutor.	
	N				54	35					
	Met				21	18					
	%				38	51					
	Mean				81.5	82.2					
	Range				65-95	17-98					
	C. RADS 3820 (Positioning II): Comprehensive Lab Final Exam	100% of students will score 85 or higher						2016	Unmet	New tool for was 2016. Students are encouraged to review answers they missed for each test immediately after submitting the test, and ask faculty if they are still unsure as to why they missed any questions. Students are advised to go to free tutoring. Students are required to complete remediation with faculty for all tests that they are unsuccessful.	
	N						26				
	Met						21				
	%						81				
	Mean						81.76				
	Range						43-100				

											Faculty will schedule a comprehensive review at end of semester before finals
1.2 Students will develop assessment skills of a radiographer.	A. RADS 3840 (Advanced Patient Care): Comprehensive Final Exam	100% of students will score 85 or higher		2017	2016	2015	2014	2013	Unmet	Will offer review of content prior to final exam. Also will perform test analysis on tests.	
			N		21	35	32	30			
			Met		17						
			%		81	86	92	100			
			Mean		90	92	87	93			
Range		65-96	72-100	68-100	77-100						
	B. RADS 3820 (Positioning 2): Trauma lab scenario	100% of students will score 85 or Higher.		2017	2016	2015	2014	2012	Unmet	Faculty will increase lab times during class, add more practice labs, review sessions and provide supplemental material for tutor.	
			N		26	36	30	29			
			Met		22						
			%		91	95	97	62			
			Mean		92	93	90	91			
Range		82-100	81-100	76-100	72-98						

Goal 2: Students will demonstrate CRITICAL THINKING skills.

Student Learning Outcomes	Tool	Benchmark	Results					Met/Unmet	Analysis/Action	
2.1 Students will evaluate a clinical situation and perform accordingly using critical thinking skills.	A. RADS 3820 (Positioning 2): Trauma lab scenario	100% of students will score 85 or higher		2017	2016	2015	2014	2013	Unmet	Students continue to struggle with this assignment. Faculty will add more discussion.
			N		26	36	30	30		
			Met							
			%		91	95	97	100		
			Mean		92	93	90	91		
Range		82-100	81-100	76-100	85-100					
	B. RADS 4510 (Professional Imaging Practices): Clinical Scenario Assignment	100% of students will score 85 or higher		2017	2016	2015	2014	2013	Met	Every student met the benchmark. Will continue to monitor.
			N		33	31	24	26		
			Mean		98	96	97.5	95.77		
			Range		95-100	80-100	90-100	80-100		
			%		100	97	100	92		

2.2 Students will propose a plan to respond to imaging department scenarios.	A. RADS 4610 (Quality Management): QC project	100% of students will score 85 or higher		2017	2016	2015	2014	2013	Unmet	Will review instructions to be sure they are clear. Will also get feedback from students.
			N		32	32	24	26		
			Met		23					
			%		71.8	87.5	79	92		
			Mean		88.8	93.5	89.2	94		
			Range		0-100	78-100	60-100	75-100		
	B. ALHE 4630 (Healthcare Organization and Management): Mgmt Case Study Project	100% of students will score 85 or higher		2017	2016	2015	2014	2013	Met	Every student met the benchmark. Will continue to monitor.
			N		31	24	22	31		
			Met		31	24	22	31		
			%		100	100	100	100		
			Mean		93	97	92	92.34		
			Range		88-100	93-100	88-100	86-100		

Goal 3: Students will demonstrate an understanding of PROFESSIONALISM.

Student Learning Outcomes	Tool	Benchmark	Results					Met/Unmet	Analysis/Action	
3.1 Students will demonstrate service to the profession and the community.	A. ALHE 3840 (Advanced Pt. Care): Service Learning Project	100% of students will score 85 or higher		2017	2016	2015	2014	2013	Met	Every student met the benchmark.
			N		21	35	32	30		
			Met		100					
			%		100	77	98	96		
			Mean		99	96	96	96		
			Range		90-100	0-100	80-100	65-100		
	B. RADS 4511 (Clinic 4): LSRT Participation Project	100% of students will score 85 or higher		2017	2016	2015	2014	2013	Met	Every student met the benchmark.
			N		33	25	24	30		
			Met		33	25	24	30		
			%		100	100	100	100		
			Mean		100	100	100	100		
			Range		100	100	100	100		

	C. RADS 4611 (Clinic 5): Faculty Eval of Student Q4: Communication with patients	100% of students will score an average of at least 4/5.		2020	2019	2018	2017	2016	Met	New tool for 2016.
			N					24		
			Met							
			%					100		
			Mean					4.67		
			Range					4.0-5.0		
	D. RADS 4611 (Clinic 5): Faculty Eval of Student Q5: Communication with technologists	100% of students will score an average of at least 4/5.		2020	2019	2018	2017	2016	Met	New tool for 2016.
			N					24		
			Met							
			%					100		
			Mean					5		
			Range					5.0		
4.2 Demonstrate written communication skills.	A. RADS 4510 (Professional Imaging Practices): Senior paper	100% of students will score at least 85.		2017	2016	2015	2014	2013	Unmet	8 students scored below 85. 6 of these were due to APA issues, 2 papers were submitted late. Faculty will explain the guidelines and expectations better. Provide an APA tutorial.
			N		33	30	24	24		
			Met		25					
			%		88	85	88	45		
			Mean		91	90	98	83		
			Range		38-100	80-100	82-100	40-100		
			%		88	85	88	45		
	B. RADS 4530 (Radiation Protection): Brochure Assignment	100% of students will score at least 85.		2017	2016	2015	2014		Met	Every student met the benchmark.
			N	24	35	24	25			
			Met	24	34					
			%	100	97	100	92			
			Mean	97	98	95	94			
			Range	85-100	80-100	90-100	83-100			

Summary of Decisions

I. Students will be CLINICALLY COMPETENT radiologic technologist.

All five measures for this for this outcome were unmet. For the first benchmark, only one student did not achieve the benchmark. Therefore, faculty decided no changes were necessary at this time. The second benchmark, was also unmet. Faculty will increase lab times during class, add more practice labs, review sessions and provide supplement material to the tutor. In the last benchmark, a new tool was introduced. For the fourth benchmark, faculty will offer a review of content prior to final exam. Also test analysis will be performed on the tests. For the final benchmark, faculty will increase lab times during class, add more practice labs, review sessions and provide supplement material to the tutor. Therefore, faculty decided no changes were necessary at this time. It is expected that the outcomes for this measure will likely continue at this same level or improve.

II. Students will demonstrate CRITICAL THINKING skills.

Two measures met the benchmark and two did not. For the two that were unmet, the first unmet benchmark has been a struggle for some time. Faculty will increase lab times during class, add more practice labs, review sessions and provide supplement material to the tutor. For the other unmet benchmark, faculty will review the assignment instructions to be sure they are clear and will also get feedback from students. For the two met benchmarks, an upward trend was demonstrated. Faculty will continue to monitor these two benchmarks.

III. Students will demonstrate an understanding of PROFESSIONALISM.

All four benchmarks were met. One of the benchmarks is a new tool for this assessment cycle. The other three benchmarks have been used for some time. Faculty will not be making any changes at this time and will continue to monitor.

IV. Students will demonstrate the ability to COMMUNICATE effectively.

Two of the six benchmarks were unmet. Of the two that were unmet, one utilized a new tool. Faculty will continue to monitor this tool. For the other unmet benchmark, 8 students scored below an 85 on the paper, 6 of these were due to APA issues and two papers were submitted late. In the future, faculty will provide written guidelines and an APA tutorial. For the four benchmarks that were met, every student met the benchmark. All of the benchmarks for this tool are new for this academic year, therefore, no changes will be made at this time.

Overall, faculty felt that even though all of the benchmarks in the assessment plan are not being met, the standards that have been set are high and will not always be possible to achieve. Therefore, at this time, no changes were made. However, the measures will continue to be monitored and discussed by the Assessment committee.

Approved by:

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