

2013 CSUN RADIOLOGIC SCIENCES OUTCOME ASSESSMENT PLAN

MISSION STATEMENT

The mission of the California State University, Northridge baccalaureate Radiologic Sciences Program is to provide the community with a competent, professional Radiologic Technologist who possesses additional advanced medical imaging skills in MRI, CT and Interventional Radiography that meet the needs of the medical imaging community through a highly integrated and advanced level clinical and academic curriculum.

PROGRAM'S GOALS (OVERALL STUDENT LEARNING OUTCOMES)

Graduates of the Radiologic Sciences Program at California State University, Northridge will:

1. Demonstrate a mastery of basic radiographic medical-imaging skills and advanced medical imaging skills in MRI, CT, and Interventional Radiography.
2. Demonstrate effective communication skills that provide compassionate and age appropriate patient care.
3. Demonstrate problem-solving/critical thinking skills that provide ethical and safe patient care.
4. Demonstrate the value of professional development for patient care and medical imaging through life-long learning that meet the needs of the medical imaging community.
5. Maintain program effectiveness through continual assessment.

(GOAL) 1. Demonstrate a mastery of basic radiographic medical-imaging skills and advanced medical imaging skills in MRI, CT, and Interventional Radiography.

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
Graduates will produce diagnostic quality Radiographic, CT, MRI and Interventional Radiography Images.	<p>Clinical Competency Assessment form (CCA) is used to assess the students in obtaining diagnostic quality radiographic, CT, MR and Interventional Radiography images. <i>(The CCA is used for each student to attain competency for procedures and to attain proficiency through re-competency assessment beginning in their senior year and for terminal competency assessment in their post grad clinical (PG) education. The following components of the CCA are used for outcome assessment.)*</i></p> <ol style="list-style-type: none"> CCA-Section II (Technical Requirements/Patient Positioning and Radiation Protection) Items 1-15 Exit Interview Questionnaire Items #8 and 9 	<p>Each semester for every competency **</p> <p>Annually</p>	<p>Section II ≥ 24 pts for Juniors</p> <p>Section II ≥ 27 pts for Seniors & Graduating Seniors</p> <p>13. 85% graduates respond that they are prepared in general radiography</p> <p>14. 75% graduates respond that they are prepared or somewhat prepared in advanced imaging areas of CT, MR and Interventional Radiography</p>	<p>Clinical Coordinators</p> <p>Program Faculty</p>

*Clinical Competency Assessment Forms

**Clinical Competency Assessment Schedule

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
Graduates provide appropriate radiation protection during imaging procedures.	<p>Clinical Competency Assessment form (CCA) is used to assess the students' ability to provide appropriate radiation protection during imaging procedures.</p> <p>CCA-Section IV (Radiation Protection) Items 1 – 4</p>	Each semester for every competency **	<p>Section IV \geq 7 pts for Juniors</p> <p>Section IV = 8 pts for Seniors & Graduating Seniors</p>	Clinical Coordinators

*Clinical Competency Assessment Forms

**Clinical Competency Assessment Schedule

GOAL 2. Demonstrate effective communication skills that provide compassionate and age appropriate patient care.

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
Graduates will communicate effectively with patients in an age appropriate, culturally diverse and compassionate manner.	<p>Clinical Competency Assessment form (CCA) is used to assess the student's ability to communicate with patients in an age appropriate manner during imaging procedures.</p> <p>1. CCA-Section I (Patient care and Communication) Items 1 to 10</p>	Each semester for every competency **	<p>Section I \geq 16 pts for Juniors</p> <p>Section I \geq 18 pts for Seniors & Graduating Seniors</p>	Clinical Coordinators
	<p>2. Affective assessment items # 14, 18, 19</p>	Each clinical rotation	<p>Item 14, 18, 19 \geq 6 pts for Juniors</p> <p>Item 14, 18, 19 \geq 7 pts for Seniors & Graduating Seniors</p>	Clinical Coordinators
Graduates will demonstrate effective professional communication.	<p>HSCI 487: Professional Development of the Radiographer.</p> <p><i>15 minute professional PowerPoint presentation to the class on a topic related to Radiologic Sciences.</i></p>	<p>Senior year</p> <p>Spring semester</p>	80% total score on assessment	Program Faculty

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**Clinical Competency Assessment Schedule

GOAL 3. Demonstrate problem-solving/critical thinking skills that provide ethical and safe patient care.

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
Graduates will have critical thinking skills appropriate to medical imaging.	HSCI 486A: Seminar Advances in Radiologic Sciences <i>Each student independently develops a topic related to radiologic technology for presentation to the program in either a scientific display or paper format.</i>	One per year	80% total score on assessment	Program Faculty
Graduates will have critical thinking/ problem solving evaluation.	1. HSCI 285 – Periodic assessment items require analysis of radiographic quality and appropriate correction factors.	Periodic – first semester	80% successfully analyze Radiographic Quality of images presented	Program Faculty
	2. HSCI 281- Critical Thinking Portfolio assignment	Junior year Spring Semester.	80%	Clinical Coordinators

GOAL 4. Demonstrate the value of professional development for patient care and medical imaging through life-long learning that meet the needs of the medical imaging community.

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
Students in the professional program participate in at least one professional conference.	Seminar attendance records and short educational summary paper	After each conference	50% of students will participate	Program Faculty
Graduates will pass the senior level (HSCI 487) Professional Development Course which includes: ethics, professional organizations and educational methodologies.	Course grade	Annually	100% pass with a C or better	Program Faculty
Students will complete all program requirements to be qualified for graduation.	Student transcripts	Annually	80% of the students starting the program will complete the program	Program Faculty

GOAL 5. The Radiologic Sciences Program at CSUN shall maintain program effectiveness through continued assessment.

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
Each cohort of graduates will pass the national ARRT exam the first time.	ARRT exam report	Annually	100% pass rate	Program Faculty
Each cohort of Graduates will have averaged a score or 85% per class for the national ARRT exam.	ARRT exam report	Annually	85% average per class	Program Faculty
Graduate's employers will report that they were ready to perform in the medical imaging environment after one year of employment.	One-year employer assessment tool <ul style="list-style-type: none"> ▪ Likert Scale of 10 	Annually	8 out of 10	Program Faculty
Graduates who are actually seeking employment in medical imaging upon graduation will have $\geq 75\%$ employment rate within 6 months of graduation.	One-year post graduate survey	Annually	75%	Program Faculty

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
Graduates are employed in advanced imaging positions.	One-year post graduate survey	Annually	Three months postgraduate \geq 35% advanced imaging employment	Program Faculty
Graduate Satisfaction	Exit Interview	Annually	90% of students satisfied with their education.	Program Faculty

Revised: January 13, 2014