

2011 CSUN RADIOLOGIC TECHNOLOGY OUTCOME ASSESSMENT PLAN

Mission Statement

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

Program Outcomes (Goals)

The Radiologic Technology Program at California State University, Northridge shall:

1. graduate students that demonstrate a mastery of basic Radiographic Medical Imaging skills and advanced medical imaging skills in MRI, CT and Interventional Radiography.
2. graduate students that demonstrate effective communication, problem solving/critical thinking skills that provide ethical compassionate patient care.
3. graduate students that value the importance of professional development through life-long learning for improved patient care and medical imaging.
4. maintain program effectiveness through continual assessment.

Goal 1. To graduate students with competent Radiographic medical imaging skills and with multi-competent medical imaging skills in CT, MRI and IR.

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
Graduates will produce diagnostic quality Radiographic, CT, MRI and Angiographic Images.	Clinical Competency Assessment form (CCA) is used to assess the students in obtaining diagnostic quality radiographic, CT, MR and Angiographic images. (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.)*	Each semester for every competency **	1. Section II ≥ 24 pts for Juniors Section II ≥ 27 pts for Seniors & PG	Clinical Coordinators
	1. CCA-Section II (Technical Requirements/Patient Positioning and Radiation Protection) Assessment items 1-15. 2. CCA-Section III (Film Critique) Items 1-3.	Each semester for every competency	2. Section III ≥ 5 pts. for Juniors Section III ≥ 6 pts. for Seniors & PG	Clinical Coordinators

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
	Exit Interview Questionnaire Items #13 and 14	Annually	13. 85% graduates respond that they are prepared in general radiography 14. 75% graduates respond that they are prepared or somewhat prepared in advanced imaging areas of CT, MR and Angiography	Program faculty
Graduates will provide appropriate patient care during imaging procedures	Clinical Competency Assessment form (CCA) is used to assess the students ability to provide appropriate patient care during imaging procedures.			
	CCA-Section I (Patient care and Communication) Items 1 through 10	Each semester for every competency **	1. Section I ≥ 16 pts for Juniors Section I ≥ 18 pts for Seniors & PG	Clinical Coordinators
Graduates provide appropriate Radiation Protection during imaging procedures.	Clinical Competency Assessment form (CCA) is used to assess the students ability to provide appropriate Radiation Protection during imaging procedures. CCA-Section IV (Radiation Protection) Items 1 – 4.	Each semester for every competency **	1. Section IV ≥ 7 pts for Juniors Section IV = 8 pts for Seniors & PG	Clinical Coordinators

Goal 2. Graduate students that demonstrate effective communication, problem solving/critical thinking skills that provide ethical, compassionate patient care.

Outcomes Measured	Assessment Tool(s)	Frequency	Standards	Person/Group Responsible
Graduates will communicate effectively with patients in an age appropriate and cultural diverse and compassionate manner.	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.	Each semester for every competency **	1. Section I Q(2,3,5) \geq 16 pts for Juniors 2. Section I Q(2,3,5) \geq 18 pts for Seniors & PG	Clinical Coordinators
All comp forms have been changed so that section one patient care and communication have 10 assessed items Section 2 technical requirements and positioning have 15 assessed items Section 3 film critique has 3 assessed items and section 4 radiation Protection has 4 assessed items.	1. CCA-Section I (Patient care and Communication) (Items 1 to 10) 2. Exit interview questionnaire, Item # 15 3. Affective assessment items # 14, 17, 18, 19.	Annually Each clinical rotation	85% graduates respond that they are skilled in their ability to communicate with patients. Item 14, 17, 18, 19 \geq 6 pts for Juniors Item 14, 17, 18, 19 \geq 7 pts for Seniors & PG	Program Faculty Clinical Coordinators

Outcomes Measured	Assessment Tool(s)	Timeframe	Benchmark	Person/Group Responsible
Graduates will demonstrate effective professional communication.	HSCI 487 (Professional Development of the Radiographer), 15 minute professional (power point) presentation to the class on a topic related to Radiologic Sciences.	Senior year/ Spring semester	80% total score on assessment	Program Director
Graduates will have critical thinking skills appropriate to medical imaging.	HSCI 486a –Seminar Advances in Radiologic Sciences Each student independently develops a topic related to Radiologic Technology for presentation to the program in either a scientific display or paper format.	One per year	80% total score on assessment	Program Director
Graduates will have critical thinking/ problem solving evaluation	HSCI 285 –Biweekly assessments items require analysis of Radiographic Quality and appropriate correction factors.	Biweekly – first semester	80% successfully analyze Radiographic Quality of images presented	Instructor/ Program Faculty
	HSCI 281 - Critical Thinking Portfolio assignment Section 2 item 2 &3. Section 3 item 3.	Junior year Spring Semester.	80%	Clinical Coordinators

Goal 3. Graduate students that value the importance of professional development through life-long learning for improved patient care and medical imaging.

Outcomes Measured	Assessment Tool(s)	Frequency	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 support their professional growth through membership in professional organizations.	Three-year postgraduate survey	Annually	50% of graduates will have state or national association membership	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 Director
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 4. The Radiologic Technology Program at CSUN shall maintain program effectiveness through continued assessment.

Outcomes Measured	Assessment Tool(s)	Frequency	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 ▪ Likert Scale of 10.	Annually	8 out of 10	Program Faculty
Graduates will have $\geq 75\%$ employment rate within 6 months of graduation.	One-year post graduate survey	Annually	75%	Program Faculty
Graduates are employed in advanced imaging positions.	One-year post graduate survey and three-year post graduate survey	Annually	1. Three months postgraduate $\geq 35\%$ advanced imaging employment. 2. Three years postgraduate $\geq 50\%$ advanced imaging employment	Program Faculty

Outcomes Measured	Assessment Tool(s)	Frequency	Benchmark	Person/Group Responsible
Graduate Satisfaction	Exit Interview	Annually	90% of students satisfied with Education.	Program Faculty

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