DATA SUMMARY

# CSUN RADIOLOGIC Sciences OUTCOME ASSESSMENT

**January 2015 to December 2015**

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)** | **Benchmark** | **RT Program Assessment Data** |
| --- | --- | --- | --- |
| Graduates will produce diagnostic quality Radiographic, CT, MRI and Interventional Radiography Images. | Clinical Competency Assessment form (CCA) and exit interview questionnaire are used to assess the **production of qualitative medical images**. |  |  |
| 1. CCA-Section II   *(Technical Requirements/ Patient Positioning & Radiation Positioning)*  Items 1-15. | Section II ≥ **24 pts. for Juniors**  Section II ≥ **27 pts. Senior & GS** | *Class averages:*  **Junior** 45.7\*  **Senior** 46.7  **Gr. Sr.** 48.2  ***\*\*Benchmark met\*\**** |
| 1. Exit Interview Questionnaire Item #8. | 85% graduates respond that they are prepared in general radiography  **[CLASS OF 2015]** | **Q#8.** 100%  ***\*\*Benchmark met\*\**** |
| 1. Exit Interview Questionnaire Item #9. | 75% graduates respond that they are prepared in advanced imaging areas of CT, MR and Interventional Radiography  **[CLASS OF 2015]** | **Q#9.** 100%  ***\*\* Benchmark met\*\**** |
| Graduates provide appropriate radiation protection during imaging procedures. | Clinical Competency Assessment form (CCA) is used to assess the student’s ability to provide appropriate **radiation protection** during imaging procedures.  CCA-Section IV *(Radiation Protection)*  Items 1 - 4. | Section IV ≥ **7 pts. for Juniors**  Section IV ≥ **8 pts. for Seniors & GS** | *Class averages:*  **Junior**  12.6\*  **Senior** 12.6  **Gr. Sr.** 13.0  ***\*\*Benchmark met\*\**** |

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

| **Outcomes Measured** | **Assessment Tool(s)** | **Benchmark** | **RT Program Assessment Data** |
| --- | --- | --- | --- |
| Graduates will  communicate  effectively with patients  in an age appropriate  and culturally diverse &  compassionate  manner. | Clinical Competency Assessment form (CCA), Affective Assessment form, and the exit interview questionnaire are used to assess the student’s ability to **communicate** with patients in an age appropriate manner. |  |  |
| * CCA-Section I *(Patient care and Communication)* Items 1 – 10 | Section I ≥ **16 pts. for Juniors**  Section I ≥ **18 pts. for Seniors & GS** | Class averages:  **Junior** 30.1\*  **Senior** 30.9  **Gr. Sr.** 32.4  ***\*\*Benchmark met\*\**** |
| * Affective Assessment Items # 14,18,19. | Items 14, 18, 19 ≥  **6 pts. for Juniors**  Items 14, 18,19, ≥  **7 pts. for Senior & GS** | Class averages:  **Junior** 8.3  **Senior** 8.4  **Gr. Sr.** 8.6  ***\*\*Benchmark met\*\**** |
| Graduates will  demonstrate effective  professional communication. | HSCI 487: Professional Development of the Radiographer.  *Professional PowerPoint presentation to the class on a topic related to Radiologic Sciences.* | 80% total score on assessment  **[CLASS OF 2015]**  Senior Yr., Spring Semester | 85%  ***\*\*Benchmark met\*\**** |

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

| **Outcomes Measured** | **Assessment Tool(s)** | **Benchmark** | **RT Program Assessment Data** |
| --- | --- | --- | --- |
| Graduates will have problem solving /critical thinking skills appropriate to medical imaging. | HSCI 486A: Seminar Advances in Radiographic Sciences  *Each student independently develops a topic related to radiologic technology for presentation to the program in either a scientific display or paper format.* | 80% total score on assessment  **[CLASS OF 2016]** | 84%  ***\*\*Benchmark met\*\**** |
| Graduates will have Critical thinking/ problem solving evaluation. | 1. HSCI 285: RAP I   *Periodic assessment items which require analysis of radiographic quality and appropriate correction factors.* | 80% successfully analyze Radiographic Quality of images  **[CLASS OF 2017]**  Junior Yr., Fall Semester | 83%  ***\*\*Benchmark met\*\**** |
|  | 1. HSCI 281: Clinical Education II   *Critical Thinking Portfolio assignment.* | 80% on portfolio assignment  **[CLASS OF 2016]**  Junior Yr., Spring Semester | 96%  ***\*\*Benchmark met\*\**** |

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)** | **Benchmark** | **RT Program Assessment Data** |
| --- | --- | --- | --- |
| Students in the professional program participate in at least one professional conference. | Seminar attendance records | 50% of students will participate\*  *\*Changed from 75% to 50% by program faculty on outcome assessment plan mtg - Jan 2011* | 51%  ***\*\*Benchmark met\*\**** |
| Graduates will pass the senior level (HSCI 487) Professional Development Course which includes: ethics, professional organizations and educational methodologies. | Course grade | 100% pass with a C or better **[CLASS OF 2015]** | 100%  ***\*\*Benchmark met\*\**** |
| Students will complete all program requirements within the 150% of the professional program length. | Student transcripts | 80% of the students starting the program will complete the program  **[CLASS OF 2015]**  *# of graduates/ initial # in cohort* | 96%  ***\*\*Benchmark met\*\**** |

Goal 5. *Maintain program effectiveness through continual assessment.*

| **Outcomes Measured** | **Assessment Tool(s)** | **Benchmark** | **RT Program Assessment Data** |
| --- | --- | --- | --- |
| Graduates will pass the national ARRT exam the first time. | ARRT exam report | 100% pass rate  **[CLASS OF 2015]** | 100%  ***\*\*Benchmark met\*\**** |
| Graduates will have averaged a score or 85% per class for the national ARRT exam. | ARRT exam report | 85% average per class  **[CLASS OF 2015]** | 90%  ***\*\*Benchmark met\*\**** |
| 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   * Tool has 10 questions and a Likert Scale of 10 | * 8 out of 10   **[CLASS OF 2014]** | 8.7 Likert  \*\****Benchmark met\*\**** |
| Graduates who are actively seeking employment in medical imaging upon graduating will have ≥75% employment rate within 12 months of graduation. | One-year employer assessment tool | 75%  **[CLASS OF 2014]** | 100%  ***\*\* Benchmark met\*\**** |
| Graduates are employed in advanced imaging positions. | One-year post graduate survey | One-year postgraduate ≥ 35% advanced imaging employment  **[CLASS OF 2014]** | 57%  ***\*\*Benchmark met\*\**** |
| Graduate Satisfaction | Exit interview questionnaire,  Item # 3. | 90% of graduates satisfied with education  **[CLASS OF 2015]** | 100%  ***\*\*Benchmark met\*\**** |