Oregon TECH

2022-23 Radiologic Science Program Assessment Report

Program Mission

The purpose of the Radiologic Science Bachelor's (RDSC) Degree Program at Oregon Institute of Technology is to provide graduates with the knowledge, clinical skills, and compassion that will allow them to become exemplary medical imaging technologists and future leaders in radiology and advanced or post-primary imaging professions.

Program Alignment to Oregon Tech Mission and Core Themes

The Oregon Tech Radiologic Science program is the quintessential example of the University mission and core themes by providing students a unique hands-on learning experience in the field of medical imaging. Once a student is accepted into the Radiologic Science (RDSC) program, he/she will be exposed to learning opportunities including on campus didactic training and extensive laboratory experiences followed by an 11-month externship in the real-world clinical setting applying theory and skills that were presented on campus.

The RDSC student also exceeds the didactic training requirements in multiple post-primary modalities (MRI, CT, Mammography, and Interventional Radiography) as stated by the American Registry of Radiologic Technologists (ARRT). The student is then allotted a minimum of 12 weeks clinical application where he/she can complete clinical competencies as required by the ARRT to sit for the post-primary modality national registry exam. Of the 47 graduates of 2023, 21 graduates were prepared at graduation to take the national registry exam for general radiography as well as a post-primary modality.

The Oregon Tech RDSC graduate can fit two unique niches in Oregon and throughout the Pacific Northwest:

1. Rural healthcare facilities prefer hiring technologists that are multimodality trained to reduce staffing burden.
2. Urban healthcare facilities prefer hiring technologists that have specialized training in a single post-primary imaging modality rather than cross training a general radiographer.

Core Theme 1: Applied Degree Programs: We are dedicated to providing the highest quality education in the medical imaging as demonstrated through the caliber of our faculty, the tremendous success of our alumni, and the enthusiastic support of health care facilities.

Core Theme 2: Student and Graduate Success: Our aim is to continue to partner with high potential students, from diverse backgrounds and perspectives, and assist them in becoming medical imaging leaders at the national level as well as organizational leaders.

Core Theme 3: Statewide Educational Opportunities: We will continue supporting bold intellectual pursuits that advance and expand the medical industry's comfort zone in order to improve and innovate the quality of individual patient care.

Core Theme 4: Public Service: We strive to partner with communities, industry, other colleges and universities, and private citizens to develop community-based solutions to community problems.

Program Educational Objectives

The following objectives are what the faculty expect graduates from this program to be able to accomplish upon graduation from the RDSC program:

- Be compassionate, caring healthcare professionals.
- Be eligible, well-prepared, and able to sit for and pass the ARRT credentialing examination.
- Have immediate job placement within six months of graduation.
- Work in advanced imaging fields and sit for advanced imaging registries.

Program Description and History:

The Oregon Tech Radiologic Science (RDSC) program was founded as a certificate program in 1952, it evolved into an associate degree program then transitioned into the first RDSC bachelor's degree offered in the United States. The program now boasts that every graduate is prepared to take the national registry exam administered by the American Registry of Radiologic Technologists (ARRT) and exceeds the didactic requirements for post-primary imaging modalities (MRI, CT, mammography, and interventional radiography). The senior year is an 11-month externship that is spent in a healthcare facility where students complete a minimum of 52 competency exams as required by the ARRT. In some cases, students can complete the 125 competency exams in a post-primary modality as well; allowing them to be dual certified in general radiography and one of the advanced modalities listed above. By providing this opportunity to our students the RDSC program has been better able to meet industry needs in rural and urban healthcare facilities in the Pacific Northwest with the versatility of our graduates.

Program Location: **Klamath Falls campus only.**

Program Enrollment

The five-year history of enrollment numbers includes the online RDSC degree completion program, so they appear slightly elevated. The on-campus program traditionally accepts 48 students each spring from an applicant pool of 75 to 100 students. However, post-pandemic, the Oregon Tech RDSC program applicant pool has diminished to the point that 12 of the 45 accepted applicants did not select RDSC as their first choice. The attrition rate has been below 5% until the 2022-23 academic year when has it increased to 20% academic year 2022-23. Therefore, resulting in a reduced total enrollment from 152 to 160 RDSC students to 137 to 146 each year. The program limits its enrollment in an attempt to maintain equilibrium between industry needs and graduates produced. There are indicators that industry demand for imaging professionals is increasing; therefore, the program is actively collaborating with industry partners to increase the number of accepted students.

Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Fall 2022	Fall 2023
154	160	152	154	157	156	157	146	137	

Program Graduations

As stated in the program enrollment, the data has been aggregated to include the on-line degree completion graduates. Again, the data demonstrates annual consistency of graduates for the past 5 years. This is one of the indicators of program sustainability that the faculty have struggled to achieve. Prior to implementing the student selection process the program had cyclical enrollment highs and lows that followed with the same cyclical industrial demand of technologist saturation and need. This equilibrium has been positive for the program, graduates, and industry alike in the opinion of the faculty.

2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2020-21	2021-22	2022-23
48	55	45	57	47	52	48	44	46	50

Employment Rates and Salaries

In the exit survey administered prior to graduation, students were asked, "What will your employment status be after graduation?"

Full-time employment	57.45% (n=27)
Part-time employment	8.51% (n=4)
Per diem	10.64% (n=5)
Part-time or per diem in more than one facility	2.13% (n=1)
Seeking employment	14.89% (n=7)
Seeking a higher degree	0%
Other	6.38% (n=3)

The data indicates that the 2023 graduate employment success rate of 78.73% (n=47) of survey respondents with a hourly rate range of $26 to $45 per hour with an average hourly rate of $33.89/hr. (n=36). One of the reasons 11 graduates not being employed at graduation is they are in the process of relocating. Faculty are currently exploring tools that would collect more accurate data at 6-, 12-, and 24-months' post-graduation surveys to better evaluate alumni success.

Twenty-one of the graduates completed all ARRT competencies in post-primary modalities with a high percentage of the remaining graduates This meets one of the program objectives to have graduates that are leaders in advanced modalities.

ARRT Scaled Score National Comparison Report

Year	Group	Candidates	1	2	3	4	5	6	7	8	9	Mean	Rank	% Pass
2017	ALL	11166	8.4	8.2	8.2	8.2	8.1	8.9	8.4	8.7	-	83.6	-	89.3
2017	Program	41	8.9	8.5	8.7	8.5	8.5	9.0	8.8	8.9	-	87.1	72	100.0
2018	ALL	11571	8.6	8.3	8.5	8.2	8.0	8.1	8.1	8.8	-	83.6	-	89.4
2018	Program	48	9.0	8.5	8.8	8.6	8.1	8.4	8.2	9.0	-	86.1	64	93.8
2019	ALL	11769	8.4	8.2	8.2	8.1	8.1	8.5	8.4	8.6	-	83.4	-	89.0
2019	Program	44	9.0	8.6	8.8	8.5	8.4	8.7	8.6	8.9	-	86.8	72	97.7
2020	ALL	10849	8.4	8.4	8.3	8.3	8.2	8.4	8.3	8.5	-	83.3	-	88.2
2020	Program	46	8.7	8.5	8.7	8.4	8.2	8.6	8.5	8.8	-	85.8	64	97.8
2021	ALL	12252	8.4	8.2	8.1	8.2	8.1	8.3	8.2	8.3	-	82.3	-	83.8
2021	Program	44	8.9	8.3	8.3	8.7	8.2	8.9	8.6	8.7	-	85.4	60	97.7
2022	ALL	11295	8.5	8.3	8.3	7.9	7.9	8.2	8.2	8.5	-	82.4	-	83.5
2022	Program	45	8.9	8.5	8.4	8.4	8.0	8.1	8.5	8.6	-	84.5	53	93.3

ARRT Scaled Score Section Legend

Patient Care

1. Patient Interactions and Management

Safety

2. Radiation Physics and Radiobiology
3. Radiation Protection

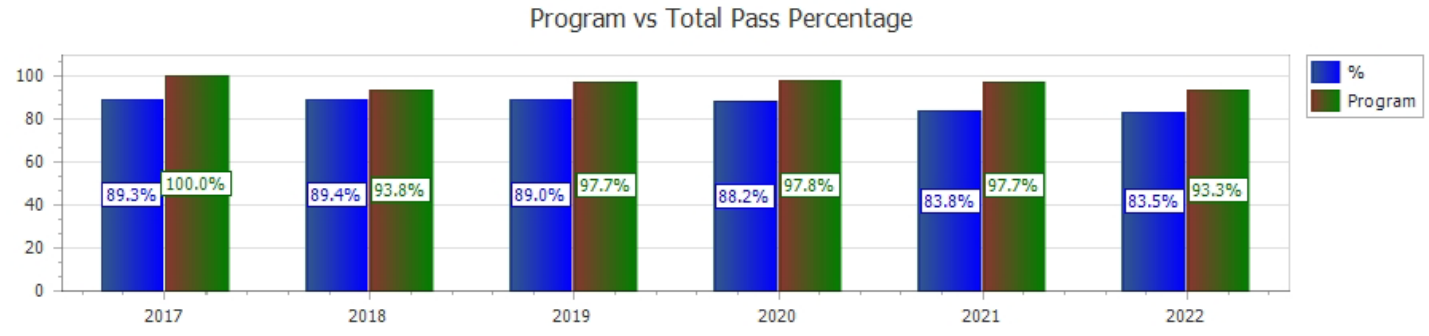
Image Production

4. Image Acquisition and Technical Evaluation
5. Equipment Operation and Quality Assurance

Procedures

6. Head, Spine and Pelvis Procedures
7. Thorax and Abdomen Procedures
8. Extremity Procedures

Oregon Tech RDSC Program Pass Rate Compared to National Average



National Registry Exam Data Analysis

The Oregon Tech Radiologic Science graduate success rate for passing the national registry exam is not accurately reflected in the above data. Upon drilling down in the data, the program assessment coordinator found that if a graduate does not take the exam in the same calendar year they applied, it counts as a non-pass. A second finding was that if a student is unsuccessful on their first attempt but is successful on the second or third attempt, it is not captured in the program comparison data. The 97.8% pass rate for 2020 was actually first attempt pass rate. It was determined that the actual program pass rate of the Oregon Tech RDSC program was 100% after further analysis. The goal of exceeding the category national average has been achieved over the past six years (yellow highlight).

Showcase Learning Opportunities

During 2018-19 a partnership was developed with Konica-Minolta Healthcare that has led to new learning opportunities for RDSC students. Students have an opportunity to beta test new imaging software as it is being developed, participate in project-based learning in applied research, and test/develop positioning devices for hybrid imaging machines.

RDSC students have additional learning opportunities through participation in Association of Collegiate Educators in Radiologic Technology (ACERT) conferences held in Las Vegas each year and attendance at the Oregon Society of Radiologic Technologists conference. Sophomore and junior students are registered as student members of the OSRT while seniors on externship register as student members of the American Society of Radiologic Technologists. These memberships provide excellent opportunities for students to network, participate in society activities, and have access to a robust library of resources.

The ASRT offers the Student Leadership Development Program (SLDP) each November. The OSRT selects two Oregon RDSC students to participate in online training then to participate in the annual ASRT House of Delegates meeting in June. The students receive a fully funded trip to Orlando, FL or Las Vegas, NV where they meet approximately 100 other students in activities and participate in the House of Delegates. Students then have a three-year commitment to the OSRT and ASRT. This is an excellent learning opportunity that four of my students have participated in.

The RDSC program offers an elective course of cadaver imaging where students learn in a team setting that promotes problem solving and discovery. Summer of 2019 one of the teams presented their findings at a continuing education conference for radiologic technologist. Beginning fall term of 2023, the RDSC program was able to procure an imaging cadaver; therefore, the cadaver imaging course will be able to offer this applied research course winter and spring terms.

While all RDSC students are required to successfully complete courses in MRI, CT, and interventional radiography, the program offers elective imaging courses in mammography, advanced MRI, cadaver imaging, and advanced CT. On externship, students are allotted 12 weeks to participate in one or multiple post-primary modalities to gain experience and have to the potential to complete competencies for the ARRT registry exam. As stated above 21 of the graduates were prepared to be dual certified by graduation. Some of the facilities, 21% (n=10 students) allow students to participate in post-primary modalities but won't allow them to earn competencies. The 36% (n=17 students) that did not complete all post-primary competencies earned a range of 15% to 90% of them.

Program Student Learning Outcomes

From the RDSC objectives the program faculty believe that every student in the program should possess the following abilities that are measured by observation throughout the students' educational experience at Oregon Tech:

- An ability to practice organizational skills using prioritization.
- An ability to demonstrate quality work in didactic and laboratory settings.
- An ability to comprehend radiologic theory and principles and apply them in the laboratory setting.

- An ability to work in a stressful environment and perform effectively under pressure.
- An ability to use good judgement and critical thinking skills.
- An ability to demonstrate confidence in their knowledge and skills.
- An ability to demonstrate attention to details and follow instructions.
- An ability to practice initiative.
- An ability to approach tasks and duties with a positive attitude.
- An ability to accept and apply constructive criticism.
- An ability to be punctual and reliable.
- An ability to practice positive interpersonal skills with faculty, classmates, and other professionals.
- An ability to effectively work in a team setting.

When asked, "Has the Radiologic Science curriculum adequately prepared you for employment?", 100% (n=47) answered yes.

Curriculum Map

Course	PSLO #1 ESLO #1	PSLO #2 ESLO #2	PSLO #3 ESLO #3	PSLO #4 ESLO #4	PSLO #5 ESLO #5	PSLO #6 ESLO #6	PSLO #7	PSLO #8	PSLO #9
RDSC 201		P			F			F	F
PHY 217					F			P	
RDSC 202		P	P		P			F	P
RDSC 205	P			P		P	F		
RDSC 210	P		P	P		P	F	P	P
RDSC 211	P		P	P	P	P	P	P	P
RDSC 233				P				P	P
RDSC 235			P				P	F	
RDSC 272					P				P
RDSC 301	P		P	P	P	P	P	P	P
RDSC 320		P	P	P	P	P	P	P	P
RDSC 326			P	P	P	P	P		P
RDSC 410	C	C	C	C	C	C	C	C	C

F = Foundational
P = Practice
C = Capstone

Assessment Cycle **Radiologic Science Outcome Assessment**	**2022 2023**	**2023 2024**	**2024 2025**	**2025 2026**	**2026 2027**	**2027 2028**
ESLO #1 Communication PSLO #1 Communication effectively in the health care setting.	P I			P I		
ESLO #2 Inquiry & Analysis PSLO #2 Demonstrate effective critical thinking and problem solving skills in the health care setting.		P I			P I	
ESLO #3 Ethical Reasoning PSLO #3 Demonstrate professional conduct and ethical decision making in the health care setting.			P			P
ESLO #4 Teamwork PSLO #4 Demonstrate teamwork skills while conducting patient procedures.	P			P		
ESLO #5 Quantitative Literacy PSLO # 5 Demonstrate knowledge of x-ray physics and related math in the medical imaging setting.		P			P	
ESLO #6 Diverse Perspective PSLO # 6 Demonstrate diverse perspective in the health care setting.			P I			P I
PSLO #7 Demonstrate effective patient care skills.		P			P	
PSLO #8 Demonstrate the application of technical ability on equipment and software in medical imaging".			P			P
PSLO #9 Demonstrate radiation safety for self, staff, and patients as set forth by the ALARA standard.	P			P		

Program Student Learning Outcomes Assessment Cycle Courses

PROGRAM STUDENT LEARNING OUTCOMES 6-Year Cycle Radiologic Science B.S.	2022 2023	2023 2024	2024 2025	2025 2026	2026 2027
Communication effectively in health care setting.	RDSC 202 RDSC 205 RDSC 211 RDSC 410			RDSC 202 RDSC 205 RDSC 211 RDSC 410	
Demonstrate effective critical thinking and problem-solving skills in the healthcare setting.		RDSC 320 RDSC 410			RDSC 320 RDSC 410
Demonstrate professional conduct and ethical decision making in the healthcare setting.			RDSC 202 RDSC 205 RDSC 211 RDSC 410		
Demonstrate teamwork skills while conducting patient procedures.	RDSC 202 RDSC 205 RDSC 301 RDSC 410			RDSC 202 RDSC 205 RDSC 301 RDSC 410	
Demonstrate knowledge of x-ray physics and related math in the medical imaging setting.		RDSC 202 RDSC 410			RDSC 202 RDSC 410
Demonstrate diverse perspective in the healthcare setting.			RDSC 205 RDSC 410		
Demonstrate effective patient care skills.		RDSC 205 RDSC 410			RDSC 205 RDSC 410
Demonstrate the application of technical ability on equipment and software in medical imaging.			RDSC 410		
Demonstrate radiation safety for self, staff, and patients as set forth by the ALARA standard.	RDSC 272 RDSC 410			RDSC 272 RDSC 410	

Methods for Assessment

The RDSC PSLOs that were assessed for academic year 2019-20 were:

PSLO 1 – Communication effectively in the health care setting.
PSLO 4 – Demonstrate teamwork skills while conducting patient procedures.
PSLO 9 – Demonstrate radiation safety for self, staff, and patients as set forth by the ALARA standard.

The common assessment tools used for the capstone level for these PSLOs were the student exit survey which was administered spring term asking the students to rate their proficiency in the program student learning outcomes. We also administered a survey to the clinical instructors (CI) asking them to rate the student(s) proficiency in the same skill sets. The program has found that observation of students in the real-world setting by medical imaging professionals may have a degree of scoring variability; however, it provides valuable information regarding the student's ability to meet industry standards in our desired skill sets.

For the practicing level of the PSLOs students present project and case studies in RDSC 202 and RDSC 211 and are observed communicating in the team settings in all the identified RDSC courses.

PSLO 1 – Communication effectively in the health care setting.

Communication skills are assessed explicitly and implicitly throughout the RDSC program and are currently measured three times in the program using four different tools. Below you will find the courses and methods used to collect data.

- RDSC 202 – Radiographic Techniques II
  - Students present laboratory project summaries to lab students and answer questions.
- RDSC 211 – Radiographic Positioning II
  - Students are expected to obtain a patient history and prepare the patient for a radiographic procedure as part of a simulation procedure. (Appendix B)
- RDSC 410 – Clinical Externship
  - Externship students participate in an exit survey prior to graduating where they rate their communication skills in the healthcare setting.

RDSC 202 Project Summary Presentation

Assessment method	Score > 20/25 points	Score < 20 points	Minimal acceptable performance
Assignment	100% (n=42)	0%	80% at or above pass

RDSC 211

Assessment method	Measurement scale 75% or greater	Minimal acceptable performance	Pass	No Pass
Observation	Pass/No Pass	80% at Pass	100% (n=45)	0%

CI Survey Results

Clinical Instructors were asked in an end of the year survey, "In your opinion, how well did the Oregon Tech RDSC program prepare your extern student(s) in the following subjects?" Please understand that more than one student can be in their externship experience; therefore, the number of clinical instructor responses will be lower than the student responses.

Question	High proficiency	Proficiency	Some proficiency	Limited proficiency
Communication effectively in the health care setting.	41.2% n=7	52.9% n=9	5.9% n=1	0%

Student Survey Results

Please rate your proficiency in the following areas. (n=48)

Question	High proficiency	Proficiency	Some proficiency	Limited proficiency
Communication effectively in the health care setting.	70.8% n=34	27.1% n=13	2.1% n=1	0%

Results

Analysis
RDSC faculty reviewed the data and determined this PSLO is being addressed appropriately at this point.

Action Plan
No further action is needed for this PSLO at this point.

PSLO 4 – Demonstrate teamwork skills while conducting patient procedures.
Teamwork is taught implicitly throughout the RDSC program and is measured the first time in RDSC 301 followed by RDSC 410 surveys.

- RDSC 301 – Radiographic Positioning III
  - Students are assigned teams then develop a research project related to the medical field, cadaver imaging, innovations, etc. They then present their research findings to the entire cohort.

- RDSC 410 – Clinical Externship
  - Students are observed by medical imaging professionals in a health care facility for a total of 11 month months while the students perform medical imaging duties. The CI documents their observations in the student's professional evaluation then responds to an end of the year survey that asks "In your opinion, how well did the Oregon Tech RDSC program prepare your extern student(s) in the following subjects?"

RDSC 301 Research Project

Assessment method	Measurement scale	Minimal acceptable performance	Pass	No Pass
Rubric scored lab project	Pass/No Pass	80% of the teams score at or above 80%	100% (n=45 students)	0%

CI Survey Results
This assessment tool was not used for this assessment cycle for the reason stated above.

Question	High proficiency	Proficiency	Some proficiency	Limited proficiency
Demonstrate teamwork skills while conducting patient procedures.	47.05% n=8	47.05% n=8	5.9% n=1	0%

Student Survey Results
Please rate your proficiency in the following areas. (n=48)

Question	High proficiency	Proficiency	Some proficiency	Limited proficiency
Demonstrate teamwork skills while conducting patient procedures.	89.6% n=43	10.4% n=5	0%	0%

Results
With the standards of 80% of student rating proficient or above, students met or exceeded faculty expectations in this PSLO.

Analysis
Upon reviewing these results and the student exit survey, the faculty believe that there is no evidence for taking corrective steps at this time.

Action Plan
No action plan is needed at this time.

PSLO 9 – Demonstrate radiation safety for self, staff, and patients as set forth by the ALARA standard.
The principle of practicing radiation protection by applying ALARA (As Low As Reasonably Achievable) is explicitly taught throughout the RDSC program and implicitly practiced in all laboratory and clinical experiences. The on-campus measure used to assess this PSLO is for students to pass RDSC 272 – Radiation Protection with a minimum score of 75%.

- RDSC 410 – Clinical Externship
  - Students are observed by medical imaging professionals in a health care facility for a total of 11 month months while the students perform medical imaging duties. The CI documents their observations in the student's professional evaluation then responds to an end of the year survey that asks "In your opinion, how well did the Oregon Tech RDSC program prepare your extern student(s) in the following subjects?"

RDSC 272 Radiation Protection

Assessment method	Measurement scale	Minimal acceptable performance	Pass	No Pass
Pass the course with minimum score of 75%	Pass/No Pass	80% Students Pass	97.6% (n=41)	2.4% (n=1)

CI Survey results
This assessment tool was not used for this assessment cycle for the reason stated above.

Question	High proficiency	Proficiency	Some proficiency	Limited proficiency
Demonstrate radiation safety for self, staff, and patients as set forth by the ALARA standard.	47.05% n=8	47.05% n=8	5.9% n=1	0%

Student Results
Please rate your proficiency in the following areas. (n=42)

Results
With the standards of 80% of student rating proficient or above, students met or exceeded faculty expectations in this PSLO.

Analysis
Upon reviewing these results and student exit survey, the faculty believe that there is no evidence for taking corrective steps at this time.

Action Plan
No action plan is currently needed.

Analysis of Program Laboratory Equipment
Upon reviewing laboratory equipment, we found that the mammo lab is in need of another digital imaging machine, preferably one capable of tomosynthesis. Other capitol purchases that could enhance student learning experiences would be 3 new hospital beds and three new gurneys.

Evidence of Improvement in Student Learning.
One of the RDSC program goals is for Oregon Tech RDSC students to meet or exceeded other U.S. programs on the specific elements of the national registry exam. We have met that goal since 2017.

Action Plans: Changes Resulting from Assessment (Closing the Loop)
In the 2021-22 Assessment Report the faculty decided to address the following two action plans:

- To better prepare graduates for the national registry exam, faculty will encourage students to use the current review materials through Rad Tech Bootcamp, ASRT registry review materials. Faculty will also provide additional exam materials to maintain test taking skills and encourage review.
-

Faculty encouraged senior students to utilize the tools listed above and will continue this year.

- "PSLO 8 – Demonstrate technical ability in the medical imaging setting" has been edited to "PSLO #8 Demonstrate the application of technical ability on equipment and software in medical imaging".

PSLO 8 has been edited as stated above.

Appendix A

OREGON INSTITUTE OF TECHNOLOGY
Medical Imaging Department
RDSC SELF PROFESSIONAL EVALUATION 20xx

Student's Name:_____ **Course:**_____ **Date:**_____

Faculty/Evaluator:_____

Performance Rating: **Use the following scale to evaluate the student. A number range may be used.**

E	**(P)**	**Exceptional**	**Performance exceeds expectations for skill level**
C	**(P)**	**Competency**	**Performance is at expected skill level**
D	**(P)**	**Developing/Digressing**	**Performance requires modification**
F	**(F)**	**Failing**	**Performance fails expectation for skill level**

			E	C	D	F
1)	**Organizational Skills**					
	Prioritizes lab activities Shows an efficient and methodical approach while working Performs procedures in sequential steps Develops and follows a process that works for him/her	**Comments:**				
2)	**Quantity of lecture & lab work**					
	Completes expected amount of work Contributes equally in lab projects Utilizes lab time efficiently	**Comments:**				
3)	**Quality of lab work**					
	Continuously shows improvement of work Achieves mastery of skills at performance level	**Comments:** **Current Grade _____**				
4)	**Comprehension of lab procedures**					
	Understands lab objectives Applies logic/methodology to completion of lab activities Asks for help when needed	**Comments:**				
5)	**Performance under pressure**					
	Maintains composure in a stressful environment Manages accurate performance with increased stress Performs well in a continuously changing environment	**Comments:**				
6)	**Judgment and critical thinking**					
	Assesses situation before taking action Anticipates potential problems Applies knowledge and uses judgment when problem solving	**Comments:**				
7)	**Perseverance**					
	Shows an interest in learning despite setbacks Continuous effort to complete all task and improve work	**Comments:**				
8)	**Self confidence**					
	Develops confidence in abilities Performs collaboratively and independently Demonstrates self-reliance	**Comments:**				

			E	C	D	F
9)	**Attention to detail and instructions**					
	Demonstrates attention to details Demonstrates ability to retain and follow written instructions Demonstrates ability to retain and follow verbal instructions	**Comments:**				
10)	**Initiative**					
	Shows interest in participating without being told Actively seeks learning opportunities	**Comments:**				
11)	**Attitude toward assigned tasks**					
	Accepts all tasks and assignments with a positive attitude Engages in all assigned lab exercises and activities	**Comments:**				
12)	**Attitude towards criticism**					
	Accepts advice without negative comments or behavior Engages in respectful dialogue to better understand instruction Embraces criticism positively with a desire to improve	**Comments:**				
13)	**Punctuality & attendance**					
	Always in attendance Arrives on time Is ready to begin work	**Comments:**				
14)	**Appearance**					
	Follows department dress code policy Hygienic and neat in appearance Appearance is appropriate for clinical workplace setting	**Comments:**				
15)	**Interpersonal relationship with peers/faculty**					
	Interaction with peers is respectful, supportive and kind Interacts appropriately and respectfully with faculty Verbal communication skills Written Communication skills	**Comments:**				
16)	**Teamwork**					
	Works well in a group situation and contributes equally Communicates effectively with peers and faculty Resolves conflict Works collaboratively to accomplish objectives	**Comments:**				
17)	**Knowledge of lab/classroom policies and procedures**					
	Observes all lab/classroom requirements Adheres to all rules as stated in the course syllabi In compliance with MIT student handbook policies	**Comments:**				

List three strengths:

List three areas of focus:

Student signature:_____ **Faculty signature:**_____

The information on this evaluation has been reviewed and:

I concur_____ **I do not concur**_____**Comments:**

Appendix B

RDSC 211 – Radiographic Positioning II

Patient History Questions

1. Where is the pain/injury?
2. How long hurting/When were you injured?
3. Has this part been x-rayed before?
4. Have you been x-rayed at this facility?
5. Female Patient) Any possibility of pregnancy?

Patient Preparation

1. Verify patient name/information.
2. Explain examination.
3. Remove any obstructive artifacts.
4. Measure/Assess part thickness.
5. Maintain communication/Excuse patient.
6. Gown patient.