

Outcomes Assessment Plan – AY 2022-2023

Goal 1: Students will demonstrate CLINICAL COMPETENCE

Student Learning Outcomes	Assessment Tool	Timeframe	Benchmark	AY 2020-2021	AY 2021-2022	AY 2022-2023
1.1: Student will apply positioning skills	1.1.1: DMI 51A Lab, final positioning practical, section 5	2nd Semester (formative)	90%	92.1%	96.2%	91.2%
	1.1.2: DMI 68, Student Clinical Evaluation, section 2.2	Final Semester (summative)	2.7	2.84	2.89	2.81
1.2: Students will practice radiation protection	1.2.1: DMI 51A Lab, final positioning practical, section 9	2nd Semester (formative)	90%	91.2%	96.7%	94.9%
	1.2.2: DMI 68, Student Clinical Evaluation, section 5	Final Semester (summative)	2.7	2.94	3.00	2.98

Analysis

1.1.1: Benchmark met. Student learning was maintained with the help of two instructors being available for positioning labs. Students achieved program-level SLO's by having more time with instructors.

1.1.2: Benchmark met. Student learning was maintained because Dallas Fair prioritized patient positioning with the students. Students achieved program-level SLO's by focusing on patient positioning on diagnostic radiographic exams.

1.2.1: Benchmark met. Student learning was maintained by encouraging students to practice using shielding with every position. Students achieved program-level SLO's by using lead shielding throughout the lab and not just during the final practical.

1.2.2: Benchmark met. Student learning was maintained because preceptors continued to emphasize and follow radiation protection protocols. Two clinical sites have altered their requirements on lead shielding. The policy change has required the Student Clinical Evaluation to reflect those changes. Students achieved program-level SLO's by following proper radiation protection protocol.

Action Plan

1.1.1: Faculty will continue to monitor this outcome. This is the third academic year this SLO has been met. The Assessment Committee will discuss developing a new SLO in their Spring 2024 meeting to present to the Advisory Board.

1.1.2: Faculty and Clinical Preceptors will continue to emphasize the importance of positioning skills and reinforce best practices. This is the third academic year this SLO has been met. The Assessment Committee will discuss developing a new SLO in their Spring 2024 meeting to present to the Advisory Board.

1.2.1: Faculty will continue to emphasize the importance of radiation safety. This is the third academic year this SLO has been met. The Assessment Committee will discuss developing a new SLO in their Spring 2024 meeting to present to the Advisory Board.

1.2.2: Faculty will continue to monitor this outcome. This is the third academic year this SLO has been met. The Assessment Committee will discuss developing a new SLO in their Spring 2024 meeting to present to the Advisory Board.

Re-Evaluation Date

At the conclusion of the Spring 2024 semester

Goal 2: Students will demonstrate CRITICAL THINKING

Student Learning Outcomes	Assessment Tool	Timeframe	Benchmark	AY 2020-2021	AY 2021-2022	AY 2022-2023
2.1: Students will analyze radiographic images	2.1.1: DMI 51B, final exam, image critique questions	2nd Semester (formative)	90%	82.7%	80.5%	84.5%
	2.1.2: DMI 68, Student Clinical Evaluation, section 2.7	Final Semester (summative)	2.7	2.94	2.83	3
2.2: Students will manipulate technical factors	2.2.1: DMI 50A, written lab, Three-Dimensional Thinking – Part Two	1st Semester (formative)	90%	100.0%	100.0%	99.1%
	2.2.2: DMI 68, Student Clinical Evaluation, section 2.3	Final Semester (summative)	2.7	2.89	2.76	2.875

Analysis

2.1.1: Benchmark not met. Students scored 5% lower than the benchmark. Historically, the Assessment Committee has discussed ways to improve the average score for this SLO. The assessment committee previously discussed reducing the benchmark; however, the committee rejected the idea to review this assessment tool further.

2.1.2: Benchmark met. Student learning was maintained with the increased requirement of 10 image critiques per semester to 20 image critiques per semester. Students achieved program-level SLO's by performing image critiques on more images.

2.2.1: Benchmark met. Student learning was maintained with the help of a mini-lecture prior to the lab exercise. Student achieved program-level SLO's by critically thinking about how to visualize objects by using various technical factors.

2.2.2: Benchmark met. Student learning was maintained with the encouragement to use manual techniques. Student achieved program-level SLO's by discussing manual techniques with Clinical Coordinators during Site Visits.

Action Plan

2.1.1: The assessment committee will continue to monitor the data. The faculty and the assessment committee agree the current score is appropriate when compared to similar scores spanning the past 20-years. If there is a significant change to this score, the faculty and the assessment committee will discuss the change.

2.1.2: Faculty will continue to monitor this outcome. This is the third academic year this SLO has been met. The Assessment Committee will discuss developing a new SLO in their Spring 2024 meeting to present to the Advisory Board.

2.2.1: Faculty will continue to monitor this outcome. This is the third academic year this SLO has been met. The Assessment Committee will discuss developing a new SLO in their Spring 2024 meeting to present to the Advisory Board.

2.2.2: Faculty will continue to monitor this outcome. This is the third academic year this SLO has been met. The Assessment Committee will discuss developing a new SLO in their Spring 2024 meeting to present to the Advisory Board.

Re-Evaluation Date

At the conclusion of the Spring 2024 semester

Goal 3: Students will demonstrate an understanding of PROFESSIONALISM

Student Learning Outcomes	Assessment Tool	Timeframe	Benchmark	AY 2020-2021	AY 2021-2022	AY 2022-2023
3.1: Students will demonstrate professional ethics	3.1.1: DMI 52: ethics exam	2nd Semester (formative)	90%	93.5%	90.0%	82.3%
	3.1.2: DMI 68, Student Clinical Evaluation, section 3	Final Semester (summative)	2.7	2.91	2.855	2.79
3.2: Students will demonstrate an appreciation for radiologic sciences	3.2.1: Number of DMI graduates who continue to a Bachelor's degree program	Post-Graduation	20%	37.5%	11.1%	31.7%
	3.2.2: Number of current students who are members of a professional radiologic society	All students	25%	38.3%	52.1%	43.75%

Analysis

3.1.1: Benchmark not met. Academic year 2022-2023 marked a return to in-person courses for DMI 52. Faculty believed this return caused the drop in scores.

3.1.2: Benchmark met. Student learning was maintained with the help of additional orientations. The orientations reminded students about policies and procedures that would help maintain high professional ethics. Students achieved program-level SLO's by maintaining high levels of ethical care.

3.2.1: Benchmark met. Student learning was maintained with the help of discussions during DMI 100 that centered around opportunities after program completion. Students achieved program-level SLO's by maintaining high levels of ethical care.

3.2.2: Benchmark met. Student learning was maintained by faculty encouraging students to register for professional organizations. The faculty discussed the benefits and importance of radiologic societies. Students achieved program-level SLO's by becoming student members of the CSRT and ASRT.

Action Plan

3.1.1: The instructor will provide new case students and talked about developing a lecture worksheet to go along with the ethics lectures.

3.1.2: Faculty will continue to monitor this outcome. This is the third academic year this SLO has been met. The Assessment Committee will discuss developing a new SLO in their Spring 2024 meeting to present to the Advisory Board.

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3.2.2: Faculty will continue to monitor this outcome. This is the third academic year this SLO has been met. The Assessment Committee will discuss developing a new SLO in their Spring 2024 meeting to present to the Advisory Board.

Re-Evaluation Date

At the conclusion of the Spring 2024 semester

Goal 4: Students will demonstrate effective COMMUNICATION skills in the medical environment

Student Learning Outcomes	Assessment Tool	Timeframe	Benchmark	AY 2020-2021	AY 2021-2022	AY 2022-2023
4.1: Students will demonstrate oral communication skills	4.1.1: DMI 51A Lab, final positioning practical, section 1	2nd Semester (formative)	90%	100.0%	100.0%	100.0%
	4.1.2: DMI 68, Student Clinical Evaluation, section 1.1, 1.2, and 1.3	Final Semester (summative)	2.7	2.85	2.86	2.75
4.2: Students will practice written communication skills	4.2.1: DMI 50A, Research paper	1st Semester (formative)	90%	83.0%	88.7%	87.8%
	4.2.2: DMI 66, Research paper	Rotation Semester (summative)	90%	no data	78.0%	78.00%

Analysis

4.1.1: Benchmark met. Student learning was maintained by faculty, requiring students to practice their introductions at every lab. Students achieved program-level SLOs by reviewing AIDET.

4.1.2: Benchmark met. Student learning was maintained by communicating with patients. Students achieved program-level SLOs by using AIDET in the clinical setting.

4.2.1: Benchmark not met. A new faculty member took over the research paper in the academic year 2022-2023; however, the scores were about the same.

4.2.2: Benchmark not met. This paper is the third research paper in a series of three; each uses the same rubric and grading criteria. Upon reflection, most students scored low because of time management issues.

Action Plan

4.1.1: Faculty will continue to monitor this outcome. This is the third academic year this SLO has been met. The Assessment Committee will discuss developing a new SLO in their Spring 2024 meeting to present to the Advisory Board.

4.1.2: Faculty will continue to monitor this outcome. This is the third academic year this SLO has been met. The Assessment Committee will discuss developing a new SLO in their Spring 2024 meeting to present to the Advisory Board.

4.2.1: Faculty will continue to monitor the data. The faculty and the Assessment Committee agree that the current score is appropriate given the difficulty of the assignment. If there is a significant change to this score, the faculty and the Assessment Committee will discuss the change.

4.2.2: Faculty are developing a new method to measure written communication. One idea is an "incident report." Once the new method to measure this SLO, it will be implemented ASAP.

Re-Evaluation Date

At the conclusion of the Spring 2024 semester