

**Course Assessment Report
Washtenaw Community College**

Discipline	Course Number	Title
Surgical Technology	270	SUR 270 11/30/2023- Biomedical Science and Minimally Invasive Surgery
College	Division	Department
Inactive Divisions	Health Sciences	Allied Health
Faculty Preparer		Keith Pellerito
Date of Last Filed Assessment Report		

I. Review previous assessment reports submitted for this course and provide the following information.

1. Was this course previously assessed and if so, when?

No

2. Briefly describe the results of previous assessment report(s).

3.

4. Briefly describe the Action Plan/Intended Changes from the previous report(s), when and how changes were implemented.

5.

II. Assessment Results per Student Learning Outcome

Outcome 1: Identify basic components of information technology, lasers and robots used in the surgical setting.

- Assessment Plan
 - Assessment Tool: Exam
 - Assessment Date: Fall 2016
 - Course section(s)/other population: all sections
 - Number students to be assessed: all students
 - How the assessment will be scored: rubric

- Standard of success to be used for this assessment: 80% of students will score 80% or higher.
- Who will score and analyze the data: departmental faculty

1. Indicate the Semester(s) and year(s) assessment data were collected for this report.

Fall (indicate years below)	Winter (indicate years below)	SP/SU (indicate years below)
		2022, 2021, 2023

2. Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
102	50

3. If the number of students assessed differs from the number of students enrolled, please explain why all enrolled students were not assessed, e.g. absence, withdrawal, or did not complete activity.

There were 50 students enrolled in this course from 2021-2023 and all 50 students were assessed for this outcome. The students were added from the labs into the lecture portion as well resulting in the student number being higher than it really was.

It seems CurricUNET has double counted the students from lecture and lab section, but there were only 50 students enrolled.

4. Describe how students from all populations (day students on campus, DL, MM, evening, extension center sites, etc.) were included in the assessment based on your selection criteria.

Students met on campus once a week during the day.

5. Describe the process used to assess this outcome. Include a brief description of this tool and how it was scored.

The tool used was an embedded multiple choice exam in Blackboard that was scored using an answer key that was also embedded in Blackboard.

6. Briefly describe assessment results based on data collected for this outcome and tool during the course assessment. Discuss the extent to which students achieved this learning outcome and indicate whether the standard of success was met for this outcome and tool.

Met Standard of Success: Yes

For this outcome, 100% of students scored 80% or higher, meeting the standard of success.

7. Based on your interpretation of the assessment results, describe the areas of strength in student achievement of this learning outcome.

The students did well being able to identify components of information regarding various types of technology including different lasers and robots used in surgical procedures.

8. Based on your analysis of student performance, discuss the areas in which student achievement of this learning outcome could be improved. If student met standard of success, you may wish to identify your plans for continuous improvement.

I will continue to hold office hours to help student success by being available for one-on-one tutoring sessions if needed.

Outcome 2: Demonstrate surgical technologist support skills in minimally invasive and robotic surgery settings.

- Assessment Plan
 - Assessment Tool: skills check-list
 - Assessment Date: Fall 2016
 - Course section(s)/other population: all sections
 - Number students to be assessed: all students
 - How the assessment will be scored: rubric
 - Standard of success to be used for this assessment: 80% of students will score 80% or higher on this outcome based assessment.
 - Who will score and analyze the data: departmental faculty

1. Indicate the Semester(s) and year(s) assessment data were collected for this report.

Fall (indicate years below)	Winter (indicate years below)	SP/SU (indicate years below)
		2023, 2022, 2021

2. Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
102	47

3. If the number of students assessed differs from the number of students enrolled, please explain why all enrolled students were not assessed, e.g. absence, withdrawal, or did not complete activity.

There were 50 students enrolled in this course from 2021-2023, but for 2022, 13 out of the 16 enrolled were assessed for this outcome. This was due one student who dropped the course and two illnesses. The students were added from the labs into the lecture portion as well resulting in the student number being higher than it really was.

It seems Curricunet has double counted the students from lecture and lab section, but 47 students were assessed for this outcome.

4. Describe how students from all populations (day students on campus, DL, MM, evening, extension center sites, etc.) were included in the assessment based on your selection criteria.

All students assessed met on campus once a week during the day.

5. Describe the process used to assess this outcome. Include a brief description of this tool and how it was scored.

The tool used was a skills checklist that was scored by a rubric that had points attached to each task.

6. Briefly describe assessment results based on data collected for this outcome and tool during the course assessment. Discuss the extent to which students achieved this learning outcome and indicate whether the standard of success was met for this outcome and tool.

Met Standard of Success: Yes

For this outcome, 80% of the students (40/47) scored 80% or higher for this outcome.

7. Based on your interpretation of the assessment results, describe the areas of strength in student achievement of this learning outcome.

Most of the students did well in demonstrating the surgical technologist skills in minimally invasive surgery (MIS).

8. Based on your analysis of student performance, discuss the areas in which student achievement of this learning outcome could be improved. If student met standard of success, you may wish to identify your plans for continuous improvement.

In order for these skills to become second nature to the students, repetition is key. We have students perform complete run-throughs to ensure students understand

the importance of repetition and working on these skills. We will continue to hold open labs for any students that may need the extra practice or one-on-one lab sessions.

III. Course Summary and Intended Changes Based on Assessment Results

1. Based on the previous report's Intended Change(s) identified in Section I above, please discuss how effective the changes were in improving student learning.

This course has never been assessed.

2. Describe your overall impression of how this course is meeting the needs of students. Did the assessment process bring to light anything about student achievement of learning outcomes that surprised you?

This helps meet the students' needs by preparing them for doing MIS procedures out in the field. Many of the surgical procedures done are done by minimally invasive surgery such as laparoscopic procedures. This helps prepare the students for that. There was nothing that really stood out to surprise me regarding this.

3. Describe when and how this information, including the action plan, was or will be shared with Departmental Faculty.

This information is shared with departmental faculty throughout the course.

4. Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Outcome Language	For outcome 1, it states that the exam is scored by using a rubric, but this is an embedded exam that is scored using an answer key.	It states that the exam is scored by using a rubric, but this is an embedded exam that is scored using an answer key.	2024

5. Is there anything that you would like to mention that was not already captured?

No further actions to mention.

III. Attached Files

[SUR 270 2021-2023](#)

Faculty/Preparer: Keith Pellerito **Date:** 02/01/2024
Department Chair: Kristina Sprague **Date:** 02/05/2024
Dean: Shari Lambert **Date:** 02/27/2024
Assessment Committee Chair: Jessica Hale **Date:** 01/13/2025