

Course Assessment Report
Washtenaw Community College

Discipline	Course Number	Title
Surgical Technology	181	SUR 181 09/27/2022- Surgical Procedures I Lab
College	Division	Department
	Health Sciences	Allied Health
Faculty Preparer		Keith Pellerito
Date of Last Filed Assessment Report		11/22/2019

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

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

Yes

Winter 2019

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

The data collected reveals the rate for students successfully completing this task fell short at 69.52%.

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

According to the data collected for outcome #3, students did not grasp the basic concept or importance of this specific individualized skill. Moving forward, more individualized training will take place, and video demonstration and handouts on specific skills will. Changes were to take place starting Winter 2020.

II. Assessment Results per Student Learning Outcome

Outcome 1: Demonstrate specific surgical procedures in perioperative surgical case management.

- Assessment Plan
 - Assessment Tool: Skills checklist
 - Assessment Date: Fall 2022
 - Course section(s)/other population: All

- Number students to be assessed: All
- 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 evaluation.
- 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	

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

# of students enrolled	# of students assessed
36	36

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.

All 36 students enrolled for this course 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 every Thursday 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 for this outcome was a skills checklist rubric with 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: No
 Out of the 18 students assessed for Winter 2021, 89% (16/18) of the students scored an 80% or higher for this outcome.

Out of the 18 students assessed for Winter 2022, 67% (12/18) of the students scored an 80% or higher for this outcome.

Overall, 78% (28/36) of the students (78%) scored 80% or higher. The standard of success was not met.

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

The students' strengths for both Winter 2021 and 2022 seemed to be knowing the correct instrumentation for the surgical procedures and their knowledge of the anatomical areas for the various 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.

The area they need to improve on is their understanding of the type of suture used on specific tissue and the dressing used.

To help with improvement, we will continue to hold open lab and go more in depth with items to help ensure student success.

Outcome 2: Apply standard precautions to the performance of perioperative case management activities.

- Assessment Plan
 - Assessment Tool: Skills checklist
 - Assessment Date: Fall 2022
 - Course section(s)/other population: All
 - Number students to be assessed: All
 - 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 evaluation.
 - 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	

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

# of students enrolled	# of students assessed
36	36

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.

All students enrolled in this course 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 every Thursday 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 with points attached for 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: No

Out of the 18 students assessed for Winter 2021, 78% (14/18) scored an 80% or higher.

Out of the 18 students assessed for Winter 2022, 67% (12/18) scored an 80% or higher.

Overall, 68% (26/38) of the students (78%) scored 80% or higher. The standard of success was not met.

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

Students did well with keeping sterile technique when correctly gowning and gloving themselves and the surgeon.

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.

Students lost points remembering to tie their gown and correctly counting before the surgical procedure begins.

We will continue to hold open labs to go more in depth as to why these are important to work on.

Outcome 3: Apply the principles of asepsis to the practice of sterile technique and patient safety.

- Assessment Plan
 - Assessment Tool: Skills checklist
 - Assessment Date: Fall 2022
 - Course section(s)/other population: All
 - Number students to be assessed: All
 - 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 evaluation.
 - 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	

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

# of students enrolled	# of students assessed
36	36

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.

All students enrolled for this course 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.

Students met on campus every Thursday 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 with 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: No

Of the 18 students assessed for Winter 2021, 80% (16/18) of the students scored an 80% or higher for this outcome.

Of the 18 students assessed for Winter 2022, 56% (10/18) of the students scored an 80% or higher for this outcome.

Overall, 68% (26/38) of the students (78%) scored 80% or higher. The standard of success was not met.

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

Students did really well initiating the time out for patient safety.

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.

Students need to continue working on closing counts for the end of the procedure in order.

We will continue to hold open lab and explain the importance of these steps in the surgical procedure.

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.

Since 2020, more individualized training has happened and students do run repeated run throughs of mock surgical cases which has helped them significantly for Outcome 3.

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 course brings real-life scenarios of doing mock surgical procedures to help students prepare for the real-life operating room.

The decrease in performance during the Winter 2022 semester was due to a change in the teaching faculty, and increasing our standards of accountability for student labs. We are increasing our in-class focus on the surgical procedure skills, and will hold open lab to help students further understand the importance of proper steps in the surgical procedure. We're confident these measures will lead to an increase in student performance.

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

This information is shared at monthly department meetings and throughout the course as needed.

4. Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Course Materials (e.g. textbooks, handouts, on-line ancillaries)	Increase the time spent in class discussion surgical procedure skills.	To further support student understanding of the proper steps in the surgical procedure.	2024
Other: open lab	Continue to hold open lab.	To provide additional practice for students and to emphasize the importance of proper surgical procedure steps.	2024

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

6.

III. Attached Files

[sur181 w21 and w22 course data](#)

Faculty/Preparer: Keith Pellerito **Date:** 10/20/2023

Department Chair: Kristina Sprague **Date:** 10/30/2023

Dean: Shari Lambert **Date:** 11/20/2023

Assessment Committee Chair: Jessica Hale **Date:** 07/21/2024

**Course Assessment Report
Washtenaw Community College**

Discipline	Course Number	Title
Surgical Technology	181	SUR 181 08/07/2019- Surgical Procedures I Lab
Division	Department	Faculty Preparer
Health Sciences	Allied Health	Elizabeth Connors
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: Demonstrate specific surgical procedures in perioperative surgical case management.

- Assessment Plan
 - Assessment Tool: skills checklist
 - Assessment Date: Spring/Summer 2016
 - Course section(s)/other population: all
 - Number students to be assessed: all
 - How the assessment will be scored: rubrics
 - Standard of success to be used for this assessment: 80% of students will score 80% or higher on this outcome based evaluation.

- 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)
	2019	

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

# of students enrolled	# of students assessed
16	15

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.

The number of enrolled students differs from the number of students assessed, due to one student dropping the program.

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 were evaluated face-to-face in the lab setting. This course is only offered face-to-face.

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

Students were evaluated using a rubric. The rubric outlines specific skills each student must perform according to the standards set for a surgical technology student.

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
 According to the data collected, students successfully completed this skill, meeting the set benchmark for the level of students expected to pass.
 The data collected reveals that 84% of students were successful with this first outcome.

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

Based on my interpretation of the assessment results, students showed they were knowledgeable and capable of completing this skill successfully.

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.

Based on my analysis of student performance, I will maintain the current process used to train students on this specific skill. Moving forward, I will also incorporate more one-on-one time with each student on this skill.

Outcome 2: Apply standard precautions to the performance of perioperative case management activities.

- Assessment Plan
 - Assessment Tool: skills checklist
 - 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 evaluation.
 - 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)
	2019	

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

# of students enrolled	# of students assessed
16	15

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.

The number of enrolled students differs from the number of students assessed, due to one student dropping the program.

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 were evaluated face-to-face in the lab setting. This course is only offered face-to-face.

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

Students were evaluated using a rubric. The rubric outlines specific skills each student must perform according to the standards set for a surgical technology student.

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

According to the data collected, students successfully completed this skill, meeting the set benchmark for the level of students expected to pass.

The data collected reveals 80% of students were successful with this 2nd outcome.

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

Based on my interpretation of the assessment results, the students showed they were knowledgeable and capable of completing this skill successfully.

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.

Based on my analysis of student performance, I will maintain the current process used to train students on this specific skill. Moving forward, I will also incorporate more one-on-one time with each student on this skill.

Outcome 3: Apply the principles of asepsis to the practice of sterile technique and patient safety.

- Assessment Plan
 - Assessment Tool: skills checklist
 - 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 evaluation.
 - 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)
	2019	

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

# of students enrolled	# of students assessed
16	15

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.

The number of enrolled students differs from the number of students assessed, due to one student dropping the program.

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 were evaluated face-to-face in the lab setting. This course is only offered face-to-face.

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

Students were evaluated using a rubric. The rubric outlines specific skills each student must perform according to the standards set for a surgical technology student.

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: No

According to the data collected, students were not successful at completing this skill, not meeting the set benchmark for the level of students expected to pass.

The data collected reveals the rate for students successfully completing this task fell short at 69.52%.

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

Based on my interpretation of the assessment results, students showed they were knowledgeable and capable of completing this skill successfully.

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.

Based on my analysis of students' performance, I will implement more time to this skill. The analysis revealed only 69.52% of students were able to successfully complete this skill.

More time will be added when explaining and demonstrating this skill moving forward.

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.

N/A

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?

Overall, students are meeting the standards set. The assessment made it clear where students excel and where students require more time to develop a skill.

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

The data collected and changes to be implemented will be shared with all members of the surgical technology program following the completion of this assessment report. In addition to sharing the information, changes will be made to lab time, to permit more time on the skill in which students did not score well or did not meet the standards set for the specific skill.

- Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Assessment Tool	<p>According to the data collected for outcome #3 students aren't grasping the basic concept or importance of this specific individualized skill. More than 50% of students did not successfully demonstrate the skills itemized for outcome #3.</p> <p>Moving forward, more individualized training will take place, and video demonstration and handouts on specific skills will be added.</p>	Based on the data collected, more time will be allocated to the specific skills necessary to improve data for outcome #3.	2020

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

6.

III. Attached Files

Faculty/Preparer: Elizabeth Connors **Date:** 10/04/2019
Department Chair: Kristina Sprague **Date:** 10/08/2019
Dean: Valerie Greaves **Date:** 10/09/2019
Assessment Committee Chair: Shawn Deron **Date:** 11/22/2019