

**Course Assessment Report
Washtenaw Community College**

Discipline	Course Number	Title
Surgical Technology	101	SUR 101 12/16/2019- Introduction to Sterile Processing
Division	Department	Faculty Preparer
Health Sciences	Allied Health	Kathryn Hernandez
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?

Yes

This course was assessed Spring/Summer 2019

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

The students did well on the outcomes.

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

The previous assessment report outlined three intended changes: continuing to review HIPAA using student role-play, continuing to review surgical instruments with their specialties in class and through games, and continuing to host lab and tutoring for students. All changes were implemented immediately.

II. Assessment Results per Student Learning Outcome

Outcome 1: Recognize HIPAA guidelines.

- Assessment Plan
 - Assessment Tool: Departmental exam
 - Assessment Date: Fall 2020
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students

- How the assessment will be scored: Answer key
- 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)
2019		

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

# of students enrolled	# of students assessed
80	39

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 80 students enrolled double counts students for lab as well as lecture.
39 out of the 40 students in this course was assessed due to one student being absent the day the assessment was done.

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.

The sterile processing students met face-to-face (F2F) on campus every Monday morning.

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

This assessment was done using a departmental exam that was graded using an answer key.

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
Out of the 39 students assessed, 100% of them scored an 80% or higher thus meeting the standard of success for this outcome.

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

Students did very well recognizing the rules and consequences regarding HIPAA.

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 go over HIPAA and have them role play to help meet their understanding of the content.

Outcome 2: Identify surgical instruments and associate with surgical services or specialty.

- Assessment Plan
 - Assessment Tool: Departmental exam
 - Assessment Date: Fall 2020
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Answer key
 - Standard of success to be used for this assessment: 80% of the 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)
2019		

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

# of students enrolled	# of students assessed
80	39

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 80 students enrolled double counts students for lab as well as lecture.

All 40 students in this class 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 F2F once a week in the morning for this course.

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

A departmental exam was given and was graded using an answer key for this outcome.

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

Out of the 40 students assessed, 80% (32/40) of them scored an 80% or higher thus meeting the standard of success for this outcome.

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 remembering instruments and the specialties to which each instrument belongs.

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 go over surgical instruments with their specialties while playing games with them to help them retain the information.

Outcome 3: Apply the principles of decontamination and sterilization of instruments and surgical supplies.

- Assessment Plan
 - Assessment Tool: Skills Checklist
 - Assessment Date: Fall 2020

- Course section(s)/other population: All sections
- Number students to be assessed: All students
- How the assessment will be scored: Departmentally-developed 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)
2019		

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

# of students enrolled	# of students assessed
80	40

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 80 students enrolled double counts students for lab as well as lecture.
All 40 students 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 for this outcome met on campus F2F once a week in the morning.

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

This outcome was assessed using a skills checklist that was graded using a rubric for this outcome.

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

Out of the 40 students assessed, 100% of the students scored an 80% or higher thus 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 remembering how to decontaminate, inspect, and sterilize instruments.

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.

To maintain the success of our students, we will continue to host open lab for students who may need the help.

Outcome 4: Prepare, assemble and properly handle surgical instruments and supplies.

- Assessment Plan
 - Assessment Tool: Skills Checklist
 - Assessment Date: Fall 2020
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Departmentally-developed 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)
2019		

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

# of students enrolled	# of students assessed
80	40

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 80 students enrolled double counts students for lab as well as lecture.

All 40 students 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 F2F once a week in the morning.

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

The students were assessed using a skills checklist and graded using a rubric.

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

Out of the 40 students assessed, 95% (38/40) of them scored an 80% or higher thus 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 properly assembling instrument trays, identifying each surgical instrument with the countsheet for organization and inspecting and handling instruments.

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 host open lab for those students who may need the extra help in order to maintain the success of our students.

Outcome 5: Demonstrate the role, functions and professional behaviors of a Sterile Processing Technician in a lab setting.

- Assessment Plan
 - Assessment Tool: Lab evaluation tool
 - Assessment Date: Fall 2020
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Departmentally-developed 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)
2019		

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

# of students enrolled	# of students assessed
80	40

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 80 students enrolled double counts students for lab as well as lecture.
All 40 students 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 F2F once a week in the mornings.

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

The students were assessed using a skills checklist and graded using a lab evaluation tool/rubric.

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: <u>Yes</u>
Out of the 40 students assessed, 100% of them scored an 80% or higher thus 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.

Students did well in demonstrating their role as a Sterile Processor in the Sterile Processing Department.
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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 host open lab and tutoring for students that may need the help to ensure their success in the course.
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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.

The role-play strengthened students' knowledge and application of HIPAA, maintaining success in this area of the course.
In-class review and games greatly strengthened students' retention of surgical instruments with their specialties.
Open lab and tutoring continued to be a great asset to this course, offering more personalized assistance to those students who needed support in various areas of the course.

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?

Students really rose to the occasion with learning and utilizing their new skill set. We had a few students that were a little challenging when learning a skill, so we really had to spend more time with a few of them. They did a great job.

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

This information is shared with department faculty at monthly meetings and throughout the course.

- 4.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
No changes intended.			

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

6.

III. Attached Files

[SUR 101 Fall 2019](#)

Faculty/Preparer: Kathryn Hernandez **Date:** 01/22/2020
Department Chair: Kristina Sprague **Date:** 01/25/2020
Dean: Valerie Greaves **Date:** 01/27/2020
Assessment Committee Chair: Shawn Deron **Date:** 03/03/2020

Course Assessment Report
Washtenaw Community College

Discipline	Course Number	Title
Surgical Technology	101	SUR 101 10/16/2019- Introduction to Sterile Processing
Division	Department	Faculty Preparer
Health Sciences	Allied Health	Kathryn Hernandez
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?

Yes

This course was previously assessed in Fall 2018

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

The students assessed in Fall 2018 did pretty well on most of the outcomes.

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

I added more questions to the HIPAA quiz to better gauge the students' knowledge of the content.

Secondly, I added an assignment for flexible endoscopes, as a Discussion Board assignment.

For outcome number 4, I had students individually spend more time doing set assembly with a time limit. They timed themselves, and I would check their work to make sure everything was done correctly and in a timely manner.

II. Assessment Results per Student Learning Outcome

Outcome 1: Recognize HIPAA guidelines.

- Assessment Plan
 - Assessment Tool: Departmental exam

- Assessment Date: Fall 2020
- Course section(s)/other population: All sections
- Number students to be assessed: All students
- How the assessment will be scored: Answer key
- 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)
		2019

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

# of students enrolled	# of students assessed
15	14

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.

Out of the 15 students enrolled, 14 were assessed due to one student dropping the course.

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.

The students assessed met F2F on campus twice a week.

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 departmental quiz, scored with an answer key.

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

Out of the 14 students assessed, 100% of them scored an 80% or higher on the quiz, thus meeting our standard of success.

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

Students did very well recognizing the rules and consequences regarding HIPAA.

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 go over HIPAA and have them role play to help their understanding of the content.

Outcome 2: Identify surgical instruments and associate with surgical services or specialty.

- Assessment Plan
 - Assessment Tool: Departmental exam
 - Assessment Date: Fall 2020
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Answer key
 - Standard of success to be used for this assessment: 80% of the 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)
		2019

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

# of students enrolled	# of students assessed
15	14

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.

Out of the 15 students enrolled, 14 students were assessed due to one of the students dropping the course.

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.

The students assessed met F2F on campus twice a week.

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 departmental exam instrumentation quiz with an answer key.

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

Out of the 14 students assessed for this outcome, 14 (100%) of them scored an 80% or higher, thus meeting our standard of success for this outcome.

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 remembering instruments and the specialties to which each instrument belongs.

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 go over surgical instruments with their specialties while playing games with students to help them retain the information.

Outcome 3: Apply the principles of decontamination and sterilization of instruments and surgical supplies.

- Assessment Plan
 - Assessment Tool: Skills Checklist
 - Assessment Date: Fall 2020

- Course section(s)/other population: All sections
- Number students to be assessed: All students
- How the assessment will be scored: Departmentally-developed 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)
		2019

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

# of students enrolled	# of students assessed
15	14

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.

Out of the 15 students enrolled in this course, 14 were assessed for this outcome due to one student dropping the course.

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.

The students assessed met F2F on campus twice a week.

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 rubric with points attached to each completed 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

Out of the 14 students assessed, 13 (92%) of them scored an 80% or higher, thus meeting our standard of success for this outcome.

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 remembering how to decontaminate, inspect, and sterilize instruments.

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 host open lab for students who may need the help in order to maintain the success of our students with this outcome.

Outcome 4: Prepare, assemble and properly handle surgical instruments and supplies.

- Assessment Plan
 - Assessment Tool: Skills Checklist
 - Assessment Date: Fall 2020
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Departmentally-developed 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)
		2019

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

# of students enrolled	# of students assessed
15	14

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.

Out of the 15 students enrolled, 14 students were assessed for this outcome due to one student dropping the course.

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.

The students assessed met F2F on campus twice a week.

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 scored with a rubric, with points attached for each completed 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

Out of the 14 students assessed, 13 (92%) of them scored an 80% or higher, thus meeting our standard of success for this outcome.

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 properly assembling instrument trays and identifying each surgical instrument with the countsheet for organizing, inspecting and handling instruments.

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 host open lab for those students who may need the extra help in order to maintain the success of our students with this outcome.

Outcome 5: Demonstrate the role, functions and professional behaviors of a Sterile Processing Technician in a lab setting.

- Assessment Plan

- Assessment Tool: Lab evaluation tool
- Assessment Date: Fall 2020
- Course section(s)/other population: All sections
- Number students to be assessed: All students
- How the assessment will be scored: Departmentally-developed 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)
		2019

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

# of students enrolled	# of students assessed
15	14

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.

14 out of the 15 students enrolled were assessed for this outcome due to one of the students dropping the course.

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.

The students assessed met F2F on campus twice a week.

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 lab evaluation tool scored with a rubric, with points attached for each completed 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

Out of the 14 students assessed, 14 (100%) of them scored an 80% or higher, thus meeting our standard of success for this outcome.

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

Students did well in demonstrating their role as a Sterile Processor in the Sterile Processing Department.

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 host open lab and tutoring for students that may need the help to ensure their success in the course.

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.

Adding more questions to the HIPAA quiz helped measure the students' knowledge of the content much more clearly. The students did very well on this, as is evident in the assessment.

The flexible endoscopes Discussion Board assignment was also an effective addition. The students did well on this assignment.

Lastly, having students be more accountable with set assembly through repeated individual practice throughout the course made them much more successful at this task.

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 was the first group of students that I could really say was on top of their game the entire time. This was nice to see.

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

This information is shared with department faculty at monthly meetings and throughout the course.

4.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Course Materials (e.g. textbooks, handouts, on-line ancillaries)	Continue to review HIPAA and have students role-play.	To strengthen students' understanding of the content.	2020
Course Materials (e.g. textbooks, handouts, on-line ancillaries)	Continue to review surgical instruments with their specialties in class and through games	To strengthen students' retention of the information.	2020
Other: Open lab and tutoring	Continue to host open lab and tutoring for students (Outcomes 3, 4 and 5).	To maintain success of students in these outcomes and provide extra help to those students who need it.	2020

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

6.

III. Attached Files

[SUR 101 Spring/Summer 2019](#)

Faculty/Preparer: Kathryn Hernandez **Date:** 10/16/2019
Department Chair: Kristina Sprague **Date:** 10/18/2019
Dean: Valerie Greaves **Date:** 10/28/2019
Assessment Committee Chair: Shawn Deron **Date:** 12/03/2019

**Course Assessment Report
Washtenaw Community College**

Discipline	Course Number	Title
Surgical Technology	101	SUR 101 12/11/2018- Introduction to Sterile Processing
Division	Department	Faculty Preparer
Health Sciences	Allied Health	Kathryn Hernandez
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: Recognize HIPAA guidelines.

- Assessment Plan
 - Assessment Tool: Departmental exam
 - Assessment Date: Fall 2020
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Answer key
 - 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)
2018, 2017		

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

# of students enrolled	# of students assessed
85	80

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.

Five students from the fall 2017 section were not included in the assessment. There were 2 students absent, 2 students that stopped coming to class, and 1 student dropped earlier in the semester. Otherwise, all students were assessed.

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.

This course is only offered in a face-to-face format. All sections were used in the assessment

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

A departmental exam on Blackboard was used to assess this outcome and was scored with an answer key. We also used an in-class assignment where students recognize HIPAA guidelines.

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

In fall 2017, 100% of the students scored 100% on the outcome-related question on the quiz and 100% of the students scored 100% on the in-class assignment. In fall 2017, 32 of the 34 students (94%) assessed, scored an 80% or higher on this assessment.

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

The students were able to show their recognition of how HIPAA works and acknowledged how not to violate it during this assessment.

- 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 noticed that some of the students were forgetting the exact meaning of the abbreviation of HIPAA. Next year I plan to have them do an activity that will help them improve their knowledge of the HIPAA abbreviation and what it stands for. In addition, more HIPAA questions will be added to the Blackboard quiz.

Outcome 2: Identify surgical instruments and associate with surgical services or specialty.

- Assessment Plan
 - Assessment Tool: Departmental exam
 - Assessment Date: Fall 2020
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Answer key
 - Standard of success to be used for this assessment: 80% of the students will score 80% or higher
 - Who will score and analyze the data: Departmental faculty

- 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)
2018, 2017		

- Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
85	80

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.

For Fall 2018, there were 35 students assessed for this outcome. Out of the 39 students enrolled in the course, 3 of them were absent during this assessment, and 1 student had withdrawn from the course earlier in the semester.

For Fall 2107, 44 of 46 students were assessed. Two students were absent on the day of the assessment for outcome #2.

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.

This course is taught on-campus in a face-to-face format only.

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

This assessment was done by a departmental exam scored by an answer key 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 fall 2017, 42 of 44 students (95%) scored 80% or higher. For fall 2018, 22 of 35 students (63%) scored 80% or higher. When the two semesters are calculated together 64 of 79 students (81%) of the students scored 80% or higher.

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

Students knew the metal hand held instruments very well, along with how to test them, and which service they belong in.

In fall 2017 100% of the students correctly answered questions 6, 7, 14, 16, and 19. This shows that those particular question regarding instrumentation was completely understood by all students assessed. There were no questions on the fall 2018 exam that were answered perfectly.

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 noticed that in both semesters that question #3 has the lowest score. This question was on flexible endoscopes. Next year I will go more in depth on the anatomy of flexible endoscopes to help them better understand how they work.

Outcome 3: Apply the principles of decontamination and sterilization of instruments and surgical supplies.

- Assessment Plan
 - Assessment Tool: Skills checklist
 - Assessment Date: Fall 2020
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Departmentally-developed 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)
2018, 2017		

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

# of students enrolled	# of students assessed
85	82

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.

In fall 2017, there were 36 students assessed for this outcome. Out of the 39 students enrolled, 2 students stopped coming to class, and 1 student had withdrawn earlier in the semester. In fall 2018, all students were assessed.

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 sections of this course are taught on campus in a face-to-face format.

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 scored by a rubric that had points attached to each skill completed.

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

77 students (94%) scored 80% or higher on the checklist evaluating their skills at decontamination and sterilization of surgical instrumentation.

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

The students did very well on applying the principles of decontamination, sterilization and inspection of surgical instrumentation during their skills check off. They did particularly well cleaning and inspecting the equipment.

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.

For both semesters, students achieved the lowest score (81% and 84% respectively) on disrobing their Personal Protection Equipment (PPE) correctly. Although, this does meet our student success rate, in the future, I will have them practice on disrobing. This way, they will be sure to not contaminate themselves

Outcome 4: Prepare, assemble and properly handle surgical instruments and supplies.

- Assessment Plan
 - Assessment Tool: Skills checklist

- Assessment Date: Fall 2020
- Course section(s)/other population: All sections
- Number students to be assessed: All students
- How the assessment will be scored: Departmentally-developed 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)
2018, 2017		

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

# of students enrolled	# of students assessed
85	82

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 82 students assessed for this outcome. Out of the 85 students enrolled, 2 students stopped coming to class, and 1 student had withdrawn earlier in the semester.

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 sections of this course are taught on-campus in a face-to-face format.

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

The skills checklist was scored using a rubric 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: <u>Yes</u>
For fall 2018 100% of the 36 scored 80% or higher. For fall 2017, 36 of 46 students scores 80% or higher. Combined, 72 of 82 (88%) scored 80% or higher.

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 on assembling instruments properly in a set and making sure those chemical indicators were in the proper places to help prove sterilization exposure. Students also did well applying the "First In - First Out" stock rotation in the sterile storage area.
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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 did least well on three of the skills, peel packing items, wrapping technique and sterilization indicators. These are important skills and will be emphasized in future classes. In addition, we will add more skills checks in lab. This will ensure their ability to do that particular job successfully.
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Outcome 5: Demonstrate the role, functions and professional behaviors of a Sterile Processing Technician in a lab setting.

- Assessment Plan
 - Assessment Tool: Lab evaluation tool
 - Assessment Date: Fall 2020
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Departmentally-developed 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)
2018, 2017		

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

# of students enrolled	# of students assessed
85	82

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 82 students assessed for this outcome. 2 students stopped coming to class, and 1 student withdrew earlier in the semester.

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 sections of this course are taught on-campus in a face-to-face format.

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 scored by a rubric that had points attached to each skill completed. Professionalism during the exam is a task in which points were given, along with knowing their role and how to function in that role.

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
83 students (100%) 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.

The students did well on remaining professional and acknowledging their role, even when under pressure, throughout this program.

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 host open lab to allow the students to practice their skills. In addition, I plan to keep the students engaged by doing role-play scenarios to keep up their level of professionalism.

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?

This course is meeting the needs of the students by instructing them on how to be safe, showing them how to do things in order to help prevent infection to the patients going in for surgical procedures, and helping them maintain their skills before going out to clinical sites to practice in real life situations.

This assessment did show me that I need to go more in depth on flexible endoscopes with the students and making sure they know what specific abbreviations stand for.

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 at monthly meetings with departmental faculty and throughout the course.

- 4.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Assessment Tool	I will add more questions related to HIPAA guidelines on the quizzes and test.	Having only one question on the test does not net meaningful data to assess	2019
Course Assignments	I will make sure that I do an assignment to help students better acknowledge the	The question regarding flexible endoscopes was the lowest score	2019

	anatomy of flexible endoscopes and how to test them.	received on one of the quizzes.	
Other: Additional skills checks in labs	We will add additional skill checks in labs to identify students who are having difficulty and encourage them.	Students didn't do as well as expected on outcome #4. This shortcoming needs to be addressed	2019

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

6.

III. Attached Files

[SUR 101 Course Assessment Fall 2018](#)

[SUR 101 data Fall 2017](#)

Faculty/Preparer: Kathryn Hernandez **Date:** 12/12/2018

Department Chair: Kristina Sprague **Date:** 12/14/2018

Dean: Valerie Greaves **Date:** 01/01/2019

Assessment Committee Chair: Shawn Deron **Date:** 03/12/2019