

**Course Assessment Report
Washtenaw Community College**

Discipline	Course Number	Title
Surgical Technology	170	SUR 170 07/22/2020- Surgical Pharmacology
Division	Department	Faculty Preparer
Health Sciences	Allied Health	Kimberly Laforge
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

Course previously assessed WI 2019

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

For all outcomes students were successful.

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

Action plans were not intended, however, the course was transferred to all online for WI 2020

II. Assessment Results per Student Learning Outcome

Outcome 1: Demonstrate the procedure for identifying a drug or solution on the sterile field.

- Assessment Plan
 - Assessment Tool: skills check off evaluation tool
 - Assessment Date: Spring/Summer 2016
 - 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 on the outcomes based related questions.

- 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)
	2020	

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

# of students enrolled	# of students assessed
18	16

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 18 enrolled students, only 16 were assessed for this outcome due to two 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.

Students met online to complete a medication activity for this outcome.

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

Due to this course being changed to a fully online format, the assessment tool used was a Blackboard medication activity that was scored in Blackboard by giving the appropriate points for each component completed successfully.

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 16 students assessed, 100% of them scored 80% or higher on this outcome, 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 acknowledging safe practices for drawing up, labeling, and recognizing various medications that will be introduced to their field.

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 continuous improvement, we will continue to use the online medication activity and host online hours for Go To meetings so that students have an opportunity to ask questions and receive clarification.

Outcome 2: Assess the different methods of drug administration and anesthetic agents.

- Assessment Plan
 - Assessment Tool: embedded multiple choice questions on exam
 - Assessment Date: Spring/Summer 2016
 - 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 75% or higher on the outcome related questions.
 - 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)
	2020	

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

# of students enrolled	# of students assessed
18	16

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 18 enrolled students, 16 were assessed for this outcome due to two 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.

This class was all online, so the students logged into Blackboard to take a multiple-choice quiz.

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

Students were assessed using a multiple choice quiz of 20 questions, embedded and scored 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

Out of 16 students assessed, 100% of them scored 85% or higher on this quiz, 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 acknowledging the different methods of anesthesia administration and medication routes.

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.

We will continue to utilize PowerPoint presentations along with Go To meetings to help ensure students' knowledge of the subject and success in the course.

Outcome 3: Identify the action, uses, side effects and contradictions of drugs.

- Assessment Plan
 - Assessment Tool: embedded multiple choice questions on exam
 - Assessment Date: Spring/Summer 2016
 - 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 75% or higher on the outcome related questions.
- 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)
	2020	

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

# of students enrolled	# of students assessed
18	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 18 enrolled students, 14 students were assessed for this outcome due to two students dropping the course, and two students who did not take the quiz.

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 is an online course where students met on blackboard to complete assigned activities and quizzes.

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

The tool used to assess this outcome was an embedded quiz administered and scored 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
 Out of the 14 students assessed for this outcome, 93% (13/14) of students scored a 75% 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 on being able to identify the actions of various medications, their uses, and side effects.

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.

We will continue to host go to meetings and utilize PowerPoint and activities in Blackboard to help ensure the success of students in this course and program.

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 was placed online for Winter 2020. It has helped the students to be able to be in a more relaxed environment for their learning experience. Students used interactive videos, rather than real patients to develop the necessary skills, thus reducing the fear of causing any individual pain.

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?

I was a little surprised at how well students did for their online learning for this course. Because this course is driven at the pace of the student, I was concerned that they wouldn't keep up with the material. They seemed to really enjoy the class material and moved through it at an appropriate pace. This course meets the needs of the students by providing them the information needed in order to be successful in the Operating Room as a Surgical Technologist.

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 and throughout the course.

4. Intended Change(s)

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

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

6.

III. Attached Files

[SUR 170 Winter 2020](#)

Faculty/Preparer:	Kimberly Laforge	Date: 07/22/2020
Department Chair:	Kristina Sprague	Date: 07/30/2020
Dean:	Valerie Greaves	Date: 07/31/2020
Assessment Committee Chair:	Shawn Deron	Date: 09/21/2020

Course Assessment Report
Washtenaw Community College

Discipline	Course Number	Title
Surgical Technology	170	SUR 170 03/26/2019- Surgical Pharmacology
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: Demonstrate the procedure for identifying a drug or solution on the sterile field.

- Assessment Plan
 - Assessment Tool: skills check off evaluation tool
 - Assessment Date: Spring/Summer 2016
 - 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 on the outcomes based related questions.
 - 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
17	17

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 in the course meet F2F on campus Mondays from 2pm-4pm, and were included on this assessment.

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

The assessment tool used for this outcome was a skills check-off evaluation form. This form had a yes or no check box 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: Yes
All of the students assessed received a 100% on this outcome.
The standard of 80% of the students assessed will score 80% or higher was met 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 drawing up medications and making sure they were labeled.

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 stress the importance of labeling and cross checking medications with the circulator due to most of the medications being clear in color on the sterile field. I will also continue to hold open lab, so students can practice these skills.

Outcome 2: Assess the different methods of drug administration and anesthetic agents.

- Assessment Plan
 - Assessment Tool: embedded multiple choice questions on exam
 - Assessment Date: Spring/Summer 2016
 - 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 75% or higher on the outcome related questions.
 - 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
17	13

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.

Thirteen students were assessed for this outcome.

One student dropped this course.

Three students did not take the exam.

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 for this course meet on campus F2F on Mondays from 2pm-4pm.

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 an embedded exam on 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

Out of the 13 students assessed, 92% (12/13) scored a 75% or higher for this outcome, meeting the standard of success.

The students assessed scored an average of 88% 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 on remembering which drugs are administered by various routes and knowing which anesthetic agents are used for general 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 offer tutoring for students who may need it for this course and give them tasks to help them retain the information.

Outcome 3: Identify the action, uses, side effects and contradictions of drugs.

- Assessment Plan
 - Assessment Tool: embedded multiple choice questions on exam
 - Assessment Date: Spring/Summer 2016

- 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 75% or higher on the outcome related questions.
- 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
17	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.

Fifteen students were assessed for this outcome.

One student dropped the course.

One student did not take the quiz.

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 meets on campus F2F on Mondays from 2pm-4pm.

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 Blackboard exam.

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 15 students assessed, 86% (13/15) scored a 75% or higher for this outcome, meeting the standard of success.

The students assessed scored an average of 88% 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 students did well by being able to recall the side effects of various drugs, how they affect the body, and what contraindications to look for regarding those drugs.

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 various medications in class and offer tutoring to students who may need it for this 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.

I do not believe there were intended changes to be made.

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 meets the needs of the students by providing them knowledge of Surgical Pharmacology as they will use it in their career everyday as a Surgical Technologist. They have to know what to look out for regarding medications used daily to avoid making mistakes that could harm a patient. I was thankful to see that many of the students assessed did better on some of the quiz questions than last year's students.

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 and throughout the course if needed.

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 170 2019 Data](#)

Faculty/Preparer: Kathryn Hernandez **Date:** 07/02/2019
Department Chair: Kristina Sprague **Date:** 07/03/2019
Dean: Valerie Greaves **Date:** 07/12/2019
Assessment Committee Chair: Shawn Deron **Date:** 08/27/2019

Course Assessment Report
Washtenaw Community College

Discipline	Course Number	Title
Surgical Technology	170	SUR 170 11/19/2018- Surgical Pharmacology
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: Demonstrate the procedure for identifying a drug or solution on the sterile field.

- Assessment Plan
 - Assessment Tool: skills check off evaluation tool
 - Assessment Date: Spring/Summer 2016
 - 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 on the outcomes based related questions.
 - 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
20	20

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 who met Mondays from 2pm-4pm for SUR 170 (F2F) 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 students were assessed in the lab during a skills check regarding outcome #1.

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

All students were assessed using a skills check off evaluation and were scored with a pass or fail for each skill assessed.

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
 All students assessed from 2017 and 2018 scored an 80% or higher for this related outcome.

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

All students assessed did very well on identifying and handling medication in the sterile field.

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 continuously improve student success by allowing them to practice in lab on their skills.

Outcome 2: Assess the different methods of drug administration and anesthetic agents.

- Assessment Plan
 - Assessment Tool: embedded multiple choice questions on exam
 - Assessment Date: Spring/Summer 2016
 - 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 75% or higher on the outcome related questions.
 - 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
20	20

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 from 2017 and 2018 who met Mondays from 2pm-4pm (F2F) 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 students were assessed in class during class time.

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

The assessment tool used was a multiple choice quiz scored by an answer key. Each question was worth 1 point.

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

All students assessed from 2017 and 2018 scored a 75% or higher on the outcome-related questions.

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 in their knowledge of the different methods of drug administration and anesthetic agents. They showed this level of understanding when taking the quizzes.

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 continuously go over various methods of drug administration and anesthetic agents in depth in class, and give them scenarios for discussion and research.

Outcome 3: Identify the action, uses, side effects and contradictions of drugs.

- Assessment Plan
 - Assessment Tool: embedded multiple choice questions on exam
 - Assessment Date: Spring/Summer 2016
 - 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 75% or higher on the outcome related questions.

- 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
20	20

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 from 2017 and 2018 who met Mondays from 2pm-4pm (F2F) 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 on-campus course runs once a year. All students from all sections were included in this assessment.

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 multiple choice quiz 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
 All students from 2017 and 2018 assessed scored a 75% 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.

Students did very well on the action and uses for the drugs.

- 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 continuously go over the action, uses, side effects, and contraindications of drugs in class, in depth. I will also have the students do an essay and presentation of a particular illness, which requires their use of research. This will help keep their level of knowledge up.

III. Course Summary and Intended Changes Based on Assessment Results

- 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.

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?

I was happy to see that all of the students did so well. This is not an easy subject to grasp and remember.

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

This will be shared with departmental faculty during our monthly meetings.

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Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Assessment Tool	I would like to add an essay and presentation to outcome #3 which would require students to research, write and present information about a particular illness.	This will reinforce their understanding of various illnesses and hone their research, writing and communication skills.	2019

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

7.

III. Attached Files

[SUR 170 Assessment data](#)

Faculty/Preparer:	Kathryn Hernandez	Date: 11/27/2018
Department Chair:	Kristina Sprague	Date: 12/05/2018
Dean:	Valerie Greaves	Date: 12/06/2018
Assessment Committee Chair:	Shawn Deron	Date: 02/18/2019