

**Course Assessment Report
Washtenaw Community College**

Discipline	Course Number	Title
Auto Body Repair (new)	123	ABR 123 07/12/2021- Technical Auto Body Repair
College	Division	Department
Advanced Technologies and Public Service Careers	Advanced Technologies and Public Service Careers	Transportation Technologies
Faculty Preparer		Robert Lowing
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: Analyze vehicle damage and determine structural tolerances and repair techniques.

- Assessment Plan
 - Assessment Tool: Tests including multiple choice, TF, and fill in the blank.
 - Assessment Date: Winter 2008
 - Course section(s)/other population: all
 - Number students to be assessed: all
 - How the assessment will be scored:

- Standard of success to be used for this assessment:
- Who will score and analyze the data:

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	2021, 2020	

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

# of students enrolled	# of students assessed
28	28

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 in all sections 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 is a face-to-face course that is offered once a semester. This assessment covers the past three semesters. Two previous semester were low in enrollment due to COVID; Winter 2020 had a full roster to gather data from. During COVID this course was taught mixed mode with an A group and a B group. Group A attended lab class one day a week while group B was instructed and worked online. Then group B would attend lab class the other day of the week while group A received instruction and worked online. This approach was implemented to reduce the number of students in the lab and give each student more room to social distance.

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

Four chapter test scores were combined and then averaged to find the percentage. This percentage was compared to the standard of success (85%) for this outcome. 80% of the students needed to score 85% or higher to meet the standard of success. Each chapter test had twenty questions worth a total of twenty points each and was scored 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

The results of the data collected for this outcome showed:

24 out of 28 or 85.7% of students met the standard of success of 85% or higher for this outcome. The data was collected from four chapter tests each with 20 questions and worth 20 points in total. This chapter test employed multiple-choice, T/F, and fill-in-the-blank questions.

The results showed that the students met 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 overall performed very well on the four specific chapter tests. These chapter tests are designed to test students' knowledge obtained from the textbook and are very important to this outcome. This a strong component when building a foundation in the collision repair industry.

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.

This course is meeting the needs of the students but we would like to dive deeper into the questions in each chapter test to further the focus on delivering the best possible information. Finding out what specific questions that students struggle with could be very helpful. The data for this course only included final scores and we were unable to receive answers to the individual questions. In the future, questions on tests need to be directly related to outcomes to assess the students' performance more effectively.

Outcome 2: Evaluate body panel damage and determine needed repair procedures and techniques.

- Assessment Plan
 - Assessment Tool: Tests including multiple choice, TF, and fill in the blank.
 - Assessment Date: Winter 2008
 - Course section(s)/other population: all
 - Number students to be assessed: all
 - How the assessment will be scored:

- Standard of success to be used for this assessment:
- Who will score and analyze the data:

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	2021, 2020	

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

# of students enrolled	# of students assessed
28	28

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 in all sections 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 is a face-to-face course that is offered once a semester. This assessment covers the past three semesters. Two previous semesters were low in enrollment due to COVID, Winter 2020 had a full roster to gather data from. During COVID this course was taught mixed mode with an A group and a B group. Group A attended lab class one day a week while group B was instructed and worked online. Then group B would attend lab class the other day of the week while group A received instruction and worked online. This approach was implemented to reduce the number of students in the lab and give each student more room to social distance.

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

Three chapter test scores were combined then averaged to find the percentage. This percentage was compared to the standard of success (85%) for this outcome. 80% of the students needed to score 85% or higher to meet the standard of success. Each chapter test had twenty questions worth a total of twenty points each and was scored 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: <u>Yes</u>
The results of the data collected for this outcome showed: 23 out of 28 or 82% of students met the standard of success of 85% or higher for this outcome. The data was collected from three chapter tests each with 20 questions and worth 20 points in total. These chapter tests employed multiple choice, T/F, and fill-in-the blanks questions. The results showed that the students met 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 overall performed very well on the three specific chapter tests. These chapter tests are designed to test students' knowledge obtained from the textbook and are very important to this outcome. This is a strong component when building a foundation in the collision repair industry.

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.

This course is meeting the needs of the students but we would like to dive deeper into the questions in each chapter test to further the focus on delivering the best possible information. Finding out what specific questions that students struggle with could be very helpful. The data for this course only included final scores and we were unable to receive answers to the individual questions. In the future, questions on tests need to be directly related to outcomes to assess the students' performance more effectively.

Outcome 3: Identify and demonstrate principles of welding and cutting in accordance with I-CAR standards.

- Assessment Plan
 - Assessment Tool: Student Achievement Record, midterm, quizzes and final exam.
 - Assessment Date: Winter 2008
 - Course section(s)/other population: all
 - Number students to be assessed: all

- How the assessment will be scored:
- Standard of success to be used for this assessment:
- Who will score and analyze the data:

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	2021, 2020	

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

# of students enrolled	# of students assessed
28	28

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 in all sections 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 is a face-to-face course that is offered once a semester. This assessment covers the past three semesters. Two previous semesters were low in enrollment due to COVID, Winter 2020 had a full roster to gather data from. During COVID this course was taught mixed mode with an A group and a B group. Group A attended lab class one day a week while group B was instructed and worked online. Then group B would attend lab class the other day of the week while group A received instruction and worked online. This approach was implemented to reduce the number of students in the lab and give each student more room to social distance.

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

The quizzes, mid-term, final, and achievement record were scored and combined to find the average percentage. This percentage was then compared to the standard of success (85%). 80% of the students needed to score 85% or higher to meet the standard of success 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

The results of the data collected for this outcome showed:

27 out of 28 or 96.4% of students met the standard of success 85% or higher for this outcome. The data was collected from two quizzes (10pts), the midterm (50pts), the final (100pts), and the Achievement record (300pts).

The results showed that the students met 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.

Overall the students performed very well on all four categories of grading but in particular the students did exceptionally well on the achievement record. The achievement record is very important because it analyzes the hands-on skills that the students acquire throughout the semester. These skills can now translate into usable skills to be used in the industry of collision repair.

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.

This course is meeting the needs of the students but we would like to dive deeper into the questions in each chapter test to further the focus on delivering the best possible information. Finding out what specific questions that students struggle with could be very helpful. The data for this course only included final scores and we were unable to receive answers to the individual questions. In the future, questions on tests need to be directly related to outcomes to assess the students' performance more effectively. The achievement record would serve the students better as a skills checklist to be able to assess each individual skill set.

Outcome 4: Demonstrate ability to restore damaged panels to factory specifications.

- Assessment Plan
 - Assessment Tool: Student Achievement Record, midterm, quizzes and final exam.
 - Assessment Date: Winter 2008
 - Course section(s)/other population: all
 - Number students to be assessed: all

- How the assessment will be scored:
- Standard of success to be used for this assessment:
- Who will score and analyze the data:

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	2021, 2020	

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

# of students enrolled	# of students assessed
28	28

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 in all sections 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 is a face-to-face course that is offered once a semester. This assessment covers the past three semesters. Two previous semesters were low in enrollment due to COVID, Winter 2020 had a full roster to gather data from. During COVID this course was taught mixed mode with an A group and a B group. Group A attended lab class one day a week while group B were instructed and worked online. Then group B would attend lab class the other day of the week while group A received instruction and worked online. This approach was implemented to reduce the number of students in the lab and give each student more room to social distance.

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

The quizzes, mid-term, final, and achievement record were scored and combined to find the average percentage. This percentage was then compared to the standard of success (85%). 80% of the students needed to score 85% or higher to meet the standard of success 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

The results of the data collected for this outcome showed:

27 out of 28 or 96.4% of students met the standard of success 85% or higher for this outcome. The data was collected from two quizzes (10pts), the midterm (50pts), the final (100pts), and the Achievement record (300pts).

The results showed that the students met 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.

Overall the students performed very well on all four categories of grading but in particular the students did exceptionally well on the achievement record. The achievement record is very important because it analyzes the hands-on skills that the students acquire throughout the semester. These skills can now translate into usable skills to be used in the industry of collision repair.

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.

This course is meeting the needs of the students but would like to dive deeper into the questions in each chapter test to further the focus on delivering the best possible information. Finding out what specific questions that students struggle with could be very helpful. The data for this course only included final scores and was unable to receive answers to the individual questions. In the future, questions on tests need to be directly related to outcomes to assess the students performance more effectively. The achievement record would serve the students better as a skills checklist to be able to assess each individual skill set.

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.

No previous assessment report to comment on.

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 do feel that this course is currently meeting the needs of the students. This course uses both testing and hands-on skills to evaluate performance and this will be helpful for students moving forward in the industry. I would like to look into the data on a question by question basis to see if the class can be improved further.

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

This information will be shared with full-time faculty in my department at the scheduled department meeting.

4. Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Assessment Tool	Change the assessment tool for outcome one and two to read outcome-related questions. This would be for all tests given. This would allow for individual questions being assessed directly to the outcomes.	We were not able to get specific question data for each outcome, only final scores. This is the reason for changing to specific outcome-related questions to track student success further.	2021
Assessment Tool	Change the assessment tool for outcome three and four to read skills checklist. This would replace the student achievement record.	This would allow better tracking of student hands-on skill sets related directly to the outcome. This would also provide better data to analyze student strengths and weaknesses.	2021

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

6.

III. Attached Files

[ABR 123 Data](#)

Faculty/Preparer:	Robert Lowing	Date: 07/21/2021
Department Chair:	Rocky Roberts	Date: 07/26/2021
Dean:	Jimmie Baber	Date: 07/28/2021
Assessment Committee Chair:	Shawn Deron	Date: 10/01/2021