

**Course Assessment Report**  
**Washtenaw Community College**

Discipline	Course Number	Title
Auto Body Repair	124	ABR 124 03/31/2016- Technical Automotive Refinishing
Division	Department	Faculty Preparer
Advanced Technologies and Public Service Careers	Automotive Body	Timothy VanSchoick
Date of Last Filed Assessment Report		

**I. Assessment Results per Student Learning Outcome**

Outcome 1: Identify and demonstrate principles of spray gun set-up and various techniques.

- Assessment Plan
  - Assessment Tool: Student Achievement Record
  - 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)
	2016	

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

# of students enrolled	# of students assessed
15	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.

All students in all sections are being 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 in all sections were assessed based upon department created task sheets (achievement record).

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

Achievement records were scored to show percentage of students that score 85% or higher.

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

15 of 15 (100%) students met the standard of success for the achievement record. The results showed that all students met the department's 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 performed best when given visual aids to explain hands-on applications. Material repeated with visual, oral and hands-on applications to make sure students receive multiple ways of understanding the subject.

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 comprehended the basics of spray gun set-up at an acceptable level. With implementation of new technology, such as virtual spray gun simulators, the students could better understand the cause and effects of spray gun operations.

Outcome 2: Demonstrate ability to produce accurate color diagnosis through proper procedures and techniques.

- Assessment Plan
  - Assessment Tool: Student Achievement Record

- 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)
	2016	

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

# of students enrolled	# of students assessed
15	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.

All students in all sections are being 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 in all sections were assessed based upon department task sheets (achievement record).

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

Achievement records were scored to show percentage of students that scored 85% or higher.

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

15 out of 15 (100%) students met the standard of success for the achievement record.

The results showed that all students met the department's 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 were able to distinguish the correct evaluations to meet an acceptable color match for refinishing. Students excelled in the lab environment when they could see results from applying color adjustment theories.

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.

While the students met the department's standard, this is the most difficult area to understand and carry out. With the use of more advanced training modules and equipment (technology), students would be able to meet a greater understanding of this process.

Outcome 3: Perform industry standard application of refinishing materials on automobiles.

- Assessment Plan
  - Assessment Tool: Student Achievement Record
  - 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)
	2016	

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

# of students enrolled	# of students assessed
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15

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.

All students in all sections are being 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 in all sections were assessed based upon department created task sheets (achievement record).

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

Achievement records were scored to show percentage of students that scored 85% or higher in each category.

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

15 out of 15 (100%) students met the standard of success for the achievement record. The results showed that all students met the department's 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 performed well with the basics of applying automotive paints. Areas to work on would be the problems that can happen during the refinishing process such as improper spray patterns, mixing or application.

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.

Refinishing is a very repetitive process. Some students are quick to learn certain processes, while other need multiple attempts to achieve the same results. In some modules, the scoring sheets could benefit from more attempts of the same processes.

Outcome 4: Analyze paint finish and perform polishing techniques.

- Assessment Plan
  - Assessment Tool: Student Achievement Record, final exam using department rubric
  - 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)
	2016	

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

# of students enrolled	# of students assessed
15	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.

All students in all sections are being 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 in all sections were assessed based upon department created task sheets (achievement records) and final exam.

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

The final exam and achievement records were scored to show percentage of students that score 85% or higher in each category.

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

15 out of 15 (100%) of the students met the standard of success on the final exam. 15 out of 15 (100%) students met the standard of success for the achievement record.

The results showed that all students met the department's 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 area the students did the best in was paint application. Areas to improve on are the surface preparation and post-paint detailing. This is a very tedious process and takes many more hours to perfect than we have to offer in the 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.

The area that needs the most time to improve on is polishing and post-polishing clean up (detailing). This is a very critical process in the industry and is often rushed and not carried out to its full potential.

## II. Course Summary and Action Plans Based on Assessment Results

1. 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 critical for students' success. Once students complete this class, they most likely will be going into industry and using the information provided as a valuable employee. This particular class was unusual since all students met all standards of success. I would suggest that our department adjust our standard of success rate to 75% of students will achieve 75% or better. While our current goal of 80% will score 85% or better is lofty, it may not be a realistic goal.

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

The results from this assessment are valuable to the department. As a department, we meet and exchange ideas constantly. With this changing industry, the program

needs to closely follow industry trends and adapt as needed. Some ideas are immediately implemented into the program and other information we add when needed.

3.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Assessment Tool	Consider reducing the standard of success to 75% of students will score 75% or higher throughout the department's courses.	When compared to other WCC courses, the standard of success (80% of students will score 85% or higher) has turned out to be too high.	2017

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

5.

### III. Attached Files

[124 assessment sheet](#)

**Faculty/Preparer:** Timothy VanSchoick **Date:** 12/09/2016  
**Department Chair:** Gary Sobbry **Date:** 12/30/2016  
**Dean:** Brandon Tucker **Date:** 03/01/2017  
**Assessment Committee Chair:** Ruth Walsh **Date:** 03/19/2017