

**Course Assessment Report  
Washtenaw Community College**

Discipline	Course Number	Title
Auto Body Repair (new)	130	ABR 130 08/02/2021- Custom Painting
College	Division	Department
Advanced Technologies and Public Service Careers	Advanced Technologies and Public Service Careers	Transportation Technologies
Faculty Preparer		Timothy VanSchoick
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 ability to produce free hand lettering and pin striping.

- Assessment Plan
  - Assessment Tool: Faculty evaluation of student performance artifact
  - Assessment Date: Winter 2010
  - 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)
2019		

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

# of students enrolled	# of students assessed
13	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.

All 13 students were assessed from this face-to-face class. This class does not run all the time, so there was only data from Fall 2019 available.

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 assessment included the only section of data we currently have access to. This class runs infrequently and is typically by a part-time instructor when available.

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

This learning outcome was evaluated by assessing student performance compared to a provided sample.

5 points = Excellent work done with no flaws and without help from the instructor, follows safety requirements.

4 points = Above average work done with little to no flaws with some help from instructor. Follows all safety requirements.

3 points = Above average work done with few flaws and some help from instructor. Follows most safety requirements.

2 points = Either below average work or average work done with substantial help from instructor. Meets minimal safety requirements.

1 point = Failed to complete task or finished product not to code or student doesn't follow safety requirements.

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 standard of success was that the overall class average would be 3.5 or higher on the reviewed artifacts. Eleven of 13 (84.6%) students scored a 4 or higher.

5 points Excellent = 6 students

4 points Above average = 5 students

3 points Average = 2 students

2 points Below average = 0 students

1 point Failed = 0 students

The standard of success was met for this outcome with the overall class average score of 4.3.

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

This discipline takes many hours of practice to become proficient.

The students that put in extra effort saw an increase in comfort level to achieve acceptable results.

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 performed to the standard of success laid out by the department criteria.

Based on industry trends, this procedure is not used very much anymore.

While some students liked the process, we should consider changing this technique from a graded project to an in-class demonstration.

Outcome 2: Demonstrate the ability to manufacture masked stencil lettering and execute proper signage using masked/stencil lettering.

- Assessment Plan
  - Assessment Tool: Faculty evaluation of student performance and execution artifact
  - Assessment Date: Winter 2010
  - 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)
2019		

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

# of students enrolled	# of students assessed
13	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.

All 13 students were assessed from this face-to-face class. This class does not run all the time, so there was only data from Fall 2019 available.

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 assessment included the only section of data we currently have access to. This class runs infrequently and is typically by a part-time instructor when available.

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

This learning outcome is evaluated by assessing student performance compared to a provided sample.

5 points = Excellent work done with no flaws and without help from the instructor, follows safety requirements.

4 points = Above average work done with little to no flaws with some help from instructor. Follows all safety requirements.

3 points = Above average work done with few flaws and some help from instructor. Follows most safety requirements.

2 points = Either below average work or average work done with substantial help from instructor. Meets minimal safety requirements.

1 point = Failed to complete task or finished product not to code or student doesn't follow safety requirements.

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 standard of success was that the overall class average would be 3.5 or higher on the reviewed artifacts. All 13 students (100%) scored a 4 or higher.

5 points Excellent = 8 students

4 points Above average = 5 students

3 points Average = 0 students

2 points Below average = 0 students

1 point Failed = 0 students

The standard of success was met for this outcome with the overall class average at 4.6

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

Students performed exceptionally well with this area, not only with following the criteria of the projects but coming up with original concepts.

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 could gain better results with more time dedicated to computer research on layering techniques, such as a class in Photoshop or other image altering software.

Outcome 3: Determine the correct procedures and techniques for basic air brushing.

- Assessment Plan
  - Assessment Tool: Departmental T/F multiple choice exams
  - Assessment Date: Winter 2010
  - 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)
2019		

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

# of students enrolled	# of students assessed
13	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.

All 13 students were assessed from this face-to-face class. This class does not run all the time, so there was only data from Fall 2019 available.

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 assessment included the only section of data we currently have access to. This class runs infrequently and is typically by a part-time instructor when available.

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

This learning outcome was tested during the students' mid-term departmental exam.

The exam is a combination of multiple-choice, T/F and fill-in-the-blank questions.

Superior (100%-90%)

Excellent (89%-70%)

Average (69%-60%)

Below average (59% and below)

Failed or did not complete

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 standard of success was that the overall average would be 80% or higher on the departmental exam. All 13 students (100%) scored above 80%.

Superior (100%-90%) = 6 students

Excellent (89%-70%) = 7 students

Average (69%-60%) = 0 students

Below average (59% and below)= 0 students

Failed or did not complete = 0 students

The standard of success was met for this outcome with an overall average of 88.5% on the departmental exam.

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 once they researched or were provided with visual representations of the tools (airbrush) that they used in the class.

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 that had more experience with auto body related tooling excelled with diagnosing technical issues compared to a non-traditional student.

Providing more information for students to review (Blackboard) prior to performing tasks in the lab will give them a better background and or reference materials to review outside of the class meeting times.

Outcome 4: Identify and mix custom colors for specific application in regards to custom graphics.

- Assessment Plan
  - Assessment Tool: Departmental T/F multiple choice exams
  - Assessment Date: Winter 2010
  - 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)
2019		

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

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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 13 students were assessed from this face-to-face class. This class does not run all the time, so there was only data from Fall 2019 available.

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.

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

This learning outcome was tested during the students' mid-term departmental exam.

The exam is a combination of multiple-choice, T/F and fill-in-the-blank questions.

Superior (100%-90%)

Excellent (89%-70%)

Average (69%-60%)

Below average (59% and below)

Failed or did not complete

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 standard of success was that that the overall average score would be 80% or higher on departmental exam. All 13 students (100%) scored above 80%.

Superior (100%-90%) = 9 students

Excellent (89%-70%)	= 4 students
Average (69%-60%)	= 0 students
Below average (59% and below)	= 0 students
Failed or did not complete	= 0 students
The standard of success was met for this outcome with the overall average score at 91.2% on the departmental exam.	

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

Students performed very well with color mixing and color theory. The use of department-provided visual aids gave them a good base to build off of.

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 would benefit from the school providing additional objects of different sizes and shapes to spray out colors so they can view how colors look at different angles and light sources.

Using different types of paint brands and technologies will better prepare students for the many variations of painting possibilities in the industry.

Outcome 5: Properly lay out and execute a mural painting using a culmination of skills learned.

- Assessment Plan
  - Assessment Tool: Faculty evaluation of student performance and execution artifact
  - Assessment Date: Winter 2010
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  - 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)
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2. Provide assessment sample size data in the table below.

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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.

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This assessment included the only section of data we currently have access to. This class runs infrequently and is typically by a part-time instructor when available.

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

This learning outcome was evaluated by assessing student performance compared to a provided sample.

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4 points = Above average work done with little to no flaws with some help from instructor. Follows all safety requirements.

3 points = Above average work done with few flaws and some help from instructor. Follows most safety requirements.

2 points = Either below average work or average work done with substantial help from instructor. Meets minimal safety requirements.

1 point = Failed to complete task or finished product not to code or student doesn't follow safety requirements.

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 standard of success was that the overall class average would be 3.5 or higher on the reviewed artifacts. Twelve of 13 (92.3%) students scored a 4 or higher.	
5 points Excellent	= 5 students
4 points Above average	= 7 students
3 points Average	= 1 students
2 points Below average	= 0 students
1 point Failed	= 0 students
The standard of success was met for this outcome with the overall class average at 4.3.	

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

Overall students excelled in this artifact.
This outcome gives the students the ability to create their project from their imagination.

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.

Areas of improvement would be to set tighter boundaries for this outcome.
Students struggle trying to finish a project that unknowingly is beyond their current ability.

### 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 has not been assessed before.

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 are meeting the standards of success for this course.

Upon review of the data, some of the procedures have become outdated and need to be removed from graded areas.

These procedures should either be eliminated or moved into demonstration only.

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

The information will be discussed during our monthly departmental meetings.

- 4.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Outcome Language	Remove Outcome 1 (Demonstrate the ability to produce free hand lettering and pin striping).	With current technology and styling trends, the use of freehand pin striping is no longer viable.  While some students like this process, it will be used for practice or possible extra credit within the course.	2022
Course Materials (e.g. textbooks, handouts, on-line ancillaries)	Provide additional background and reference materials for student to review prior to class meeting times.	Additional background and reference materials will support student learning and review of lab skills outside of class meeting times.	2022
Course Materials (e.g. textbooks,	Provide more variation on paint	More variation in this area will better	2022

handouts, on-line ancillaries)	brands and technologies as well as adding additional objects of varying size and shape.	prepare students for the many variations of painting possibilities in the industry.	
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5. Is there anything that you would like to mention that was not already captured?

6.
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**III. Attached Files**

[ABR 130 Data](#)

**Faculty/Preparer:** Timothy VanSchoick **Date:** 08/03/2021  
**Department Chair:** Rocky Roberts **Date:** 08/09/2021  
**Dean:** Jimmie Baber **Date:** 08/19/2021  
**Assessment Committee Chair:** Jessica Hale **Date:** 06/13/2024