

**Course Assessment Report  
Washtenaw Community College**

Discipline	Course Number	Title
Auto Body Repair (new)	119	ABR 119 01/09/2020-The Art of Metal Shaping
Division	Department	Faculty Preparer
Advanced Technologies and Public Service Careers	Transportation Technologies	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: Identify and demonstrate principles of sheet metal shaping by hand.

- Assessment Plan
  - Assessment Tool: Mid Term and Final Exam, Student Achievement Record
  - Assessment Date: Winter 2009
  - 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
12	9

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.

Twelve students were enrolled, and three withdrew. Assessed the nine students who completed 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.

All students were assessed by the departmental mid-term, final exam and student achievement records (checklists).

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

Mid-term, final exam and student achievements records were scored to show percentage of students that scored 85% or greater.

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  
 8 of 9 (88%) students met the standard of success for the mid-term.  
 8 of 9 (88%) students met the standard of success for the final exam.  
 9 of 9 (100%) students met the standard of success for the student achievement record.

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 was repeated with visual, oral and hands-on applications to make sure students received 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 performed well on the final exam. This is a largely hands-on class and the students would benefit from the final exam given over two class meetings. The class would benefit from updated tools due to repeated use over the semesters.

Outcome 2: Analyze sheet metal properties and shapes in addition to shaping process

- Assessment Plan
  - Assessment Tool: Mid Term and Final Exam, Student Achievement Record
  - Assessment Date: Winter 2009
  - 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
12	9

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.

Twelve students were enrolled, and three withdrew. Assessed the nine students who completed 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.

All students were assessed by departmental mid-term, final exam and student achievement records (checklists).

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

Mid-term, final exam and student achievements records were scored to show percentage of students that scored 85% or greater.

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

8 of 9 (88%) students met the standard of success for the mid-term.

8 of 9 (88%) students met the standard of success for the final exam.

9 of 9 (100%) students met the standard of success for the student achievement record.

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

Students benefited from an instructor that related real-world experiences. The instructor was able to show students practical applications for different types of metals and where they are implemented in 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.

Noted areas of student improvement would be in the ability to recreate given shapes in a timely manner. Students taking this class have varied backgrounds from experienced to novice. The students did meet the department's criteria for success. Options for improvement are to expand into a blend of mechanized tools along with hand tools to enhance student learning.

Outcome 3: Perform sheet metal shaping process in accordance w/safety standards as instructed.

- Assessment Plan
  - Assessment Tool: Student Achievement Record
  - Assessment Date: Winter 2009
  - 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.

Twelve students were enrolled, and three withdrew. Assessed the nine students who completed 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.

All students were assessed by departmental student achievement records (checklists).

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

Student achievements records were scored to show the percentage of students that scored 85% or greater.

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>
9 of 9 (100%) students met the standard of success for the student achievement record.

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

This is a hands-on, very noisy class with people hitting hammers and cutting metal. We have been very fortunate that there have been no major injuries in this type of class because of our enforcement of proper safety equipment. Students are very inspired by the personal examples that the instructor provides. Students strive to mirror their work based on the explanation and examples presented to them.
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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.

The class does meet the required standard of success for the program. Based on the data collected the students could benefit from lessening the number of projects offered to allow them more time to perfect their work. Another option for this class is to extend the class meeting time by 30 minutes per class. Currently the contact hours for this class is at 45. By extending the meeting time to 52.5, it would not only allow more time for students to refine their work, it would also give the instructor the room to change or add different material to the class.
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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.

N/A
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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 is a critical class for the ABR program. This type of class prepares the students with basic knowledge of different types of metals and their limitations. Once students know how metals react, they are able to quickly find an effective repair plan for taking dents out of automotive sheet metal. This class has been popular for not only auto body students, but also extends into other departments in occupational education.
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- Describe when and how this information, including the action plan, was or will be shared with Departmental Faculty.

The findings from this report will be presented to the department during our regular meetings. We also met on a weekly basis to discuss most of the classes and how to improve them either before, during or after the semester.

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Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Other: Contact Hours	This class currently meets for 45 contact hours. We need to increase the contact hours to 52.5.	<p>This class has been taught from the beginning by a part-time instructor.</p> <p>Midway through the Winter 2019 semester, a full-time instructor had to finish out the semester and quickly realized that the contact hours needed to be increased for the students to complete the required work.</p> <p>By increasing the contact hours, the department will be able to update the content and provide a better experience for the students.</p>	2020

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

6.

**III. Attached Files**

[ABR 119 data](#)

<b>Faculty/Preparer:</b>	Timothy VanSchoick	<b>Date:</b> 01/09/2020
<b>Department Chair:</b>	Allen Day	<b>Date:</b> 03/09/2020
<b>Dean:</b>	Jimmie Baber	<b>Date:</b> 04/21/2020
<b>Assessment Committee Chair:</b>	Shawn Deron	<b>Date:</b> 02/10/2021