

Course Assessment Report
Washtenaw Community College

Discipline	Course Number	Title
Auto Services	269	ASV 269 03/31/2016- Performance Automotive
Division	Department	Faculty Preparer
Advanced Technologies and Public Service Careers	Automotive Services	Michael Duff
Date of Last Filed Assessment Report		

I. Assessment Results per Student Learning Outcome

Outcome 1: Apply knowledge and skill of the automotive technician to the development and upgrade of a project vehicle.

- Assessment Plan
 - Assessment Tool: Project checklist
 - Assessment Date: Winter 2012
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - 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)
	2015, 2014	

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

# of students enrolled	# of students assessed
38	38

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 selected.

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 course sections are taught in a face-to-face mode.

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

Students bring in their own individual projects (cars) with a stated goal. Students perform estimates and develop a project plan with input from the class. The instructor approves the project and the work is done. Students must complete the project and the vehicle must be street legal and road worthy. Following review of the project, the instructor test-drives the vehicle to confirm that the car is functioning and meets the State of Michigan legal 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

Based on the work that students completed 31 of 38 student projects met the requirement of road legal vehicles for a success rate of 81.5%.

Score	#students
5	26
4	5
3	0
2	5
1	2
% Scoring 4 or 5	81.5%

4	1
3	0
2	4
1	1

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 successfully develop a project plan, order needed parts, install and upgrade 31 of 38 project vehicles.

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 often didn't understand the amount of time and effort needed to complete the project. Students often had to work outside of the class hours to complete the projects by the end of the semester.

Outcome 2: Recognize and apply safety and legal requirements in the development of a "street legal" project vehicle.

- Assessment Plan
 - Assessment Tool: Project checklist
 - Assessment Date: Winter 2012
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - 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)
	2015, 2014	

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

# of students enrolled	# of students assessed
38	38

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 selected.

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 course sections are taught in a face-to-face mode.

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

Students bring in their own individual projects (cars) with a stated goal. Students perform estimates and develop a project plan with input from the class. The instructor approves the project and the work is done. Students must complete the project and the vehicle must be street legal and road worthy. Following review of the project, the instructor test-drives the vehicle to confirm that the car is functioning and meets the State of Michigan legal 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

Based on the work that students completed 31 of 38 student projects met the requirement of road legal vehicles for a success rate of 81.5%.

Score	#students
5	26
4	5
3	0
2	5
1	2
% Scoring 4 or 5	81.5%

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 successfully develop a project plan, order needed parts, install and upgrade 35 of 38 project vehicles.

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 often didn't understand the amount of time and effort needed to complete the project. Students often had to work outside of the class hours to complete the projects by the end of the semester.

Outcome 3: Recognize teamwork and perform team building activities.

- Assessment Plan
 - Assessment Tool: Project checklist
 - Assessment Date: Winter 2012
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - 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)
	2015, 2014	

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

# of students enrolled	# of students assessed
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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 students 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 course is taught in a face-to-face mode on campus.

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

While teamwork is an important skill for an automotive services career, this class does not have specific teamwork opportunities. Work that requires more than one person to perform takes place at various times throughout the semester. However, teams are not an organized or essential part of every project; it is not possible to assess this outcome in an organized way.

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: No

This outcome will be removed during the master syllabus update.

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

Throughout the class, there were opportunities for students to perform group activities. In many cases, students had the change to act as both a team leader and a team member.

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.

It is not reasonable to assess this outcome based on the inconsistent opportunities and project scopes.

Outcome 4: Develop project management skills through work on the project vehicle.

- Assessment Plan
 - Assessment Tool: Project checklist
 - Assessment Date: Winter 2012
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - 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.

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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 course sections are taught in a face-to-face mode.

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

Students bring in their own individual projects (cars) with a stated goal. Students perform estimates and develop a project plan with input from the class. The instructor approves the project and the work is done. Students must complete the project and the vehicle must be street legal and road worthy. Following review of the project, the instructor test-drives the vehicle to confirm that the car is functioning and meets the State of Michigan legal 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
 Based on the work that students completed 31 of 38 student projects met the requirement of road legal vehicles for a success rate of 81.5%.

Score	#students
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1	2
% Scoring 4 or 5	81.5%

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 successfully develop a project plan, order needed parts, install and upgrade 35 of 38 project vehicles.

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 often didn't understand the amount of time and effort needed to complete the project. Students often had to work outside of the class hours to complete the projects by the end of the semester.

Some students have trouble with securing parts for their projects. This resulted in delays and contributed to the need for students to work outside of class hours. As a result, students will be required to contact the vendor during the planning process to confirm availability.

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?

With 92% of the projects being completed successfully, this course is meeting the need of our students. It is an opportunity for them to experience a real-world type project with all the normal delays and surprises. It has given them the chance to problem-solve in order to complete the project. They will have learned to anticipate delays and unexpected compatibility problems. This could be helpful in future project planning.

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

This assessment report will be shared with departmental faculty at our next meeting.

3.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Outcome Language	Outcome #3 will be removed from the master syllabus when it is revised.	While teamwork is an important skill for an automotive services career, this class does not have specific teamwork opportunities. Work that requires more than one person to perform takes place at various times throughout the semester. However, teams are not an organized or essential part of every project; it is not possible to assess this outcome in an organized way.	2018
Course Assignments	The action plan is to have the students call on parts and cost before starting the project to help with parts on backorder or running out of funding before project completion.	This will help students plan more effectively and complete their project by the end of the semester.	2018

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

5.

III. Attached Files

Faculty/Preparer:

Michael Duff

Date: 08/25/2016

Department Chair: Allen Day **Date:** 10/04/2016
Dean: Brandon Tucker **Date:** 10/05/2016
Assessment Committee Chair: Ruth Walsh **Date:** 05/11/2017