

**Course Assessment Report
Washtenaw Community College**

Discipline	Course Number	Title
Auto Services	270	ASV 270 11/13/2018- Automotive Test and Development
Division	Department	Faculty Preparer
Advanced Technologies and Public Service Careers	Automotive Services	Allen Day
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: Apply testing principles to determine defects using a project engine on a mapping stand.

- Assessment Plan
 - Assessment Tool: Project
 - Assessment Date: Fall 2016
 - Course section(s)/other population: All
 - Number students to be assessed: All
 - How the assessment will be scored: Departmentally-developed rubric

- Standard of success to be used for this assessment: 75% of students will score 75% or better.
- Who will score and analyze the data: ASV faculty

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)
2018	2017	

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

# of students enrolled	# of students assessed
25	26

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. Students were also assessed from the Fall 2018 semester.

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 designated to run one daytime section per year and one nighttime section per year. The assessment report includes data from one daytime section (Fall 2018) and one nighttime section (Fall 2017).

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

The tool used is a scored project. The project that is scored is the majority of the student's workload for the semester. The project is split into 8 separate scorable modules, and one capstone module that is also scorable. All of the scored sections were included in the assessment. The project is a group project, but the students are scored individually.

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

Nearly all of the students (22 of 26) completed all of the modules and the capstone project. Because the equipment used for this course is limited, the students work in groups. However, they are scored individually. Because of this, it is possible for a student to fail to complete one module, but be able to complete the other modules or the capstone project. Four of the students did not complete modules. It is possible to earn partial credit for a module, but often if a student does not earn all of the points, they will earn zero of the points. In this case, there are two reasons for a student earning zero points for a module. One is because they failed to submit any part of the module for scoring. The second is that they submitted the module too far past the due date and could not earn credit. None of the students failed to complete the capstone project.

The data shows that 25 of 26 students (96.15%) completed the project with a score of 75% or better. This meets the standard of success.

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

24 out of 26 students assessed completed all of the modules and the capstone project. 2 of the 26 students assessed failed to complete or submit one or more project modules. Based on this data, it is a strength that each student can continue with the entire project even if they are unable to complete a specific module.

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.

Student achievement in this module could be improved by allowing the students to complete modules at different (later) times in the semester. However, due to limited resources, the students work in groups and share an engine. As the student groups move forward with their projects, the state of the engines move forward too. It is very difficult to complete an incomplete or missed module unless there is an engine available for each student to work on individually. While it may be ideal for improved success, it may not be financially reasonable for each student to work individually on a project with fully separate engines and other resources.

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.

2.

3. 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 think this course is aligned well with the student's needs. One thing to consider was the fact that some students did not complete modules, or did not complete them on time. Because the students were individually scored, in this case it only had an impact on one student. It is possible for an entire group to fail to complete one or more modules, which could prevent the entire group from completing the capstone project.

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

In a future department meeting.

5. Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
No changes intended.			

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

7.

III. Attached Files

[Scoring Data ASV270](#)

Faculty/Preparer: Allen Day **Date:** 11/20/2018
Department Chair: Justin Morningstar **Date:** 12/10/2018
Dean: Brandon Tucker **Date:** 12/11/2018
Assessment Committee Chair: Shawn Deron **Date:** 02/18/2019