

**Course Assessment Report
Washtenaw Community College**

| Discipline | Course Number | Title |
|--|--|--|
| Custom Cars and Concepts (new) | 255 | CCC 255 07/22/2021- Custom Fabrication and Chassis Design II |
| College | Division | Department |
| Advanced Technologies and Public Service Careers | Advanced Technologies and Public Service Careers | Transportation Technologies |
| Faculty Preparer | | Gary Sobbry |
| 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: Select and install the proper component fasteners.

- Assessment Plan
 - Assessment Tool: Final student project (car)
 - Assessment Date: Spring/Summer 2015
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: NATEF checklist

- Standard of success to be used for this assessment: An overall class average of 3.5 (of 5) or higher
- Who will score and analyze the data: Department chair and instructors will score the project 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) |
|-----------------------------|-------------------------------|------------------------------|
| | 2021 | |

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

| # of students enrolled | # of students assessed |
|------------------------|------------------------|
| 1 | 1 |

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 were assessed (one section total). CCC 255 is cross-listed with CCC 210, 215 and 250. Low enrollment in these sections makes it challenging to secure a good sample size.

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 sections of CCC 255 are taught face-to-face on main campus.

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

Throughout the semester, students are given tasks to perform. Once they have completed the task, the instructor reviews the student's work and assigns a score using a scale of 0 – 5. Achievement records are scored and kept to show how students completed this.

5 - Excellent

4 - Above Industry Average

3 - Meets Industry Average

2 - Below Industry Average

1 - Poor

0 - Did not attempt

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

1 of 1 (100%) students met or exceeded the standard of success, 3.5 of 5 (70%) or higher, for the achievement standard of success. The results showed that all students met or exceeded 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. I feel having working on these "live" projects really help the students focus and grow.

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.

I feel they did a great job in this area. The only thing I would add is to keep up with industry standards and technology in this area for safety, cost reasons and industry relevance.

Outcome 2: Determine and install the proper electrical components.

- Assessment Plan
 - Assessment Tool: Final student project (car)
 - Assessment Date: Spring/Summer 2015
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: NATEF checklist
 - Standard of success to be used for this assessment: An overall class average of 3.5 (of 5) or higher

- Who will score and analyze the data: Department chair and instructors will score the project 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) |
|-----------------------------|-------------------------------|------------------------------|
| | 2021 | |

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

| # of students enrolled | # of students assessed |
|------------------------|------------------------|
| 1 | 1 |

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 were assessed (one section total). CCC 255 is cross-listed with CCC 210, 215 and 250. Low enrollment in these sections makes it challenging to secure a good sample size.

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 sections of CCC 255 are taught face-to-face on main campus.

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

Throughout the semester, students are given refinishing tasks to perform. Once they have completed the task, the instructor reviews the student's work and assigns a score using a scale of 0 – 5. Achievement records are scored and kept to show how students completed this.

5 - Excellent

4 - Above Industry Average

3 - Meets Industry Average

2 - Below Industry Average

1 - Poor

0 - Did not attempt

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

1 of 1 (100%) students met or exceeded the standard of success, 3.5 of 5 (70%) or higher, for the achievement standard of success. The results showed that all students met or exceeded 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.

This is pretty basic now with all the available information and advancements in technology. Once, this was a very difficult part of the process, now students have good success with modern service literature if they can follow basic directions.

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.

No improvements are needed at this time, just maintain up to date service literature.

Outcome 3: Determine and perform final safety inspection.

- Assessment Plan
 - Assessment Tool: Final student project (car)
 - Assessment Date: Spring/Summer 2015
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: NATEF checklist
 - Standard of success to be used for this assessment: An overall class average of 3.5 (of 5) or higher
 - Who will score and analyze the data: Department chair and instructors will score the project 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) |
|-----------------------------|-------------------------------|------------------------------|
| | 2021 | |

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

| # of students enrolled | # of students assessed |
|------------------------|------------------------|
| 1 | 1 |

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 were assessed (one section total). CCC 255 is cross-listed with CCC 210, 215 and 250. Low enrollment in these sections makes it challenging to secure a good sample size.

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 sections of CCC 255 are taught face-to-face on main campus.

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

Throughout the semester, students are given refinishing tasks to perform. Once they have completed the task, the instructor reviews the student's work and assigns a score using a scale of 0 – 5. Achievement records are scored and kept to show how students completed this.

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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

1 of 1 (100%) students met or exceeded the standard of success, 3.5 of 5 (70%) or higher, for the achievement standard of success. The results showed that all students met or exceeded 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.

I feel we do a good job at the final "shake down & testing" of the vehicle. We have many qualified teachers/technicians at WCC. Students learn that safety is paramount and never to leave a safety issue unaddressed. They learn if you don't know the answer someone else will know and help correct it.

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.

This is a very repetitive process. Some students are quick to learn certain safety and protocol processes, while others need multiple attempts to achieve the same results. Either way, it is critical we get this step correct before the vehicle leaves. The only major change I would like to see is a 500 mile "road test". In the past, this was not always possible (weather, insurance, liability, etc.). Now that we have a chassis dyno, we can start to test these vehicles in house without taking them on the open roads.

Outcome 4: Formulate promotional plan.

- Assessment Plan
 - Assessment Tool: Promotional Plan
 - Assessment Date: Spring/Summer 2015
 - Course section(s)/other population: All sections
 - Number students to be assessed: All students
 - How the assessment will be scored: Departmentally-developed rubric
 - Standard of success to be used for this assessment: An overall class average of 3.5 (of 5) or higher
 - Who will score and analyze the data: Department Chair and instructors 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) |
|-----------------------------|-------------------------------|------------------------------|
| | 2021 | |

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

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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> |
| 1 of 1 (100%) students met or exceeded the standard of success, 3.5 of 5 (70%) or higher, for the achievement standard of success. The results showed that all students met or exceeded 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.

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| We've done a pretty good job with promoting our programs even in these last few difficult semesters. We have many corporate partners and students get a chance to interact with real world businesses. Social media and "word of mouth" still continues to be our two major areas of promotion particularly under the Covid-19 guidelines. |
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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.

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| We need a bigger and better following on social media. Right now we have a very basic Facebook and YouTube account that is not professionally run. If we did a better job on these two platforms and added some more (Instagram and/or TikTok), we could reach a lot more people including future students and support from industry. Also, finishing high-end cars and getting them to the bigger shows (Detroit Autorama, SEMA, etc.) has always helped us get recognized and supported by the Automotive Industry. Going to these shows does bring in students but the support we gain is way more valuable in my opinion. We have only attended one car show in the last two years. |
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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.

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|---------------------------------------|
| No previous assessment was available. |
|---------------------------------------|

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 course is critical for students' success. Once students complete these classes they most likely will be going into industry and will use the information provided as a valuable employee. This particular class was unusual in that all students meet all standards of success.

3. 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.

4. Intended Change(s)

| Intended Change | Description of the change | Rationale | Implementation Date |
|--------------------------------|---|--|---------------------|
| Assessment Tool | Add more detail to the assessment tool. | More accurate scoring. | 2021 |
| Objectives | Add objective for new waxing process. | This new process has recently been added to our curriculum. | 2022 |
| Other: Collecting Student Data | We will collect data over multiple semesters to secure a meaningful sample. | This course is cross-listed with other sections. Enrollment in this section is fairly low so we will collect data over multiple semesters. | 2022 |

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

6.

III. Attached Files

[ccc 255 2021 safe data](#)

Faculty/Preparer: Gary Sobry **Date:** 08/09/2021
Department Chair: Rocky Roberts **Date:** 08/09/2021
Dean: Jimmie Baber **Date:** 08/19/2021

Assessment Committee Chair: Shawn Deron **Date:** 06/13/2023