

Washtenaw Community College Comprehensive Report

ASV 265 Vehicle Performance and Diagnosis Effective Term: Winter 2021

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: Transportation Technologies

Discipline: Auto Services (new)

Course Number: 265

Org Number: 14100

Full Course Title: Vehicle Performance and Diagnosis

Transcript Title: Vehicle Performance& Diagnosis

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Web Page

Reason for Submission: New Course

Change Information:

Rationale: The Department wants to combine ASV 263 and ASV 259 into this blended course. ASV 259 has not run since 2011, ASV 263 uses similar lab training and project management.

Proposed Start Semester: Fall 2019

Course Description: In this advanced project-based vehicle repair course, students develop the skills needed to evaluate, estimate and complete project-based learning activities. Students will track labor hours versus labor time, estimating cost of parts, special equipment and consumables required to complete each project. This course contains material previously taught in ASV 259 and ASV 263.

Course Credit Hours

Variable hours: No

Credits: 4

Lecture Hours: Instructor: 15 **Student:** 15

Lab: Instructor: 90 **Student:** 90

Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 105 **Student:** 105

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

No Level Required

Requisites

Prerequisite

ASV 254 minimum grade "C"

and

Prerequisite

ASV 255 minimum grade "C"

and

Prerequisite

ASV 256 minimum grade "C"

General Education

Request Course Transfer

Proposed For:

Other :

Student Learning Outcomes

1. Develop project plans that include parts, time and equipment.

Assessment 1

Assessment Tool: Project Plan

Assessment Date: Fall 2021

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Rubric

Standard of success to be used for this assessment: 70% of the students will score 70% or higher

Who will score and analyze the data: Department faculty

2. Identify potential challenges such as parts and equipment needs that may impact project completion dates.

Assessment 1

Assessment Tool: Project Plan

Assessment Date: Fall 2021

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Rubric

Standard of success to be used for this assessment: 70% of the students will score 70% or higher

Who will score and analyze the data: Department faculty

3. Perform vehicle repairs to fulfill project completion date.

Assessment 1

Assessment Tool: Completed project/repair

Assessment Date: Fall 2021

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Rubric

Standard of success to be used for this assessment: 70% of the students will score 70% or higher

Who will score and analyze the data: Department faculty

Course Objectives

1. Pass safety test before laboratory time with a score of 100%.
2. Perform as a team member to meet a common goal.
3. Display industry safety standards.
4. Display safe use of personal protective devices during laboratory work.
5. Develop a project plan identifying a timeline.

6. Develop a parts list and determine availability.
7. Estimate time and materials needed to perform and complete project-related activities.
8. Measure time and materials spent on project using industry standards for labor time.
9. Report all laboratory experiences per project electronically.
10. Determine part cost including item, delivery and equipment needs.
11. Display proper cleanup during and after laboratory work.
12. Develop strategies in anticipation of part-related problems.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Michael Duff</i>	<i>Faculty Preparer</i>	<i>Dec 11, 2019</i>
Department Chair/Area Director: <i>Justin Morningstar</i>	<i>Recommend Approval</i>	<i>Dec 11, 2019</i>
Dean: <i>Brandon Tucker</i>	<i>Recommend Approval</i>	<i>Dec 11, 2019</i>
Curriculum Committee Chair: <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Jul 16, 2020</i>
Assessment Committee Chair: <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Jul 21, 2020</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Jul 28, 2020</i>