Washtenaw Community College Comprehensive Report

ASV 269 Performance Automotive
Effective Term: Winter 2018

Course Cover

Division: Advanced Technologies and Public Service Careers
Department: Automotive Services
Discipline: Auto Services
Course Number: 269
Org Number: 14100
Full Course Title: Performance Automotive
Transcript Title: Performance Automotive
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Time Schedule , Web Page
Reason for Submission: Three Year Review / Assessment Report
Change Information:
   Consultation with all departments affected by this course is required.
   Course description
   Outcomes/Assessment
Rationale: Update master syllabus from assessment report.
Proposed Start Semester: Winter 2018
Course Description: Students taking this course will continue to develop skills and gain valuable information as it relates to the completion and management of a vehicle project. Areas of study include drivetrain, electrical systems, suspension, brakes, steering and final safety inspections.

Course Credit Hours

Variable hours: No
Credits: 4
Lecture Hours: Instructor: 45 **Student:** 45
Lab: Instructor: 60 **Student:** 60
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

Requisites

Prerequisite
ASV 130 minimum grade "C"
and
Prerequisite

ASV 131 minimum grade "C"
and
Prerequisite
ASV 132 minimum grade "C"
and
Prerequisite
ASV 133 minimum grade "C"

General Education

Request Course Transfer
Proposed For:

Student Learning Outcomes

1. Apply automotive technician skills to the development and upgrade of a project vehicle.
   Assessment 1
   Assessment Tool: Project checklist
   Assessment Date: Fall 2019
   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: Project checklist will be scored using the departmentally-developed rubric
   Standard of success to be used for this assessment: 70% of the students will score an overall average of 70% or higher
   Who will score and analyze the data: Departmental faculty

2. Recognize and apply safety and legal requirements in the development of a "street legal" project vehicle.
   Assessment 1
   Assessment Tool: Project checklist
   Assessment Date: Fall 2019
   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: Project checklist will be scored using the departmentally-developed rubric
   Standard of success to be used for this assessment: 70% of the students will score an overall average of 70% or higher
   Who will score and analyze the data: Departmental faculty

3. Demonstrate project management skills through work on the project vehicle.
   Assessment 1
   Assessment Tool: Project checklist
   Assessment Date: Fall 2019
   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: Project checklist will be scored using the departmentally-developed rubric
   Standard of success to be used for this assessment: 70% of the students will score an overall

average of 70% or higher

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Plan drivetrain changes, electrical system upgrades, suspension modifications, brakes and steering adjustments to meet the objectives of the project vehicle.
2. Negotiate with other team members and schedule modification into the overall project plan.
3. Perform modifications as scheduled to meet the needs of other project tasks.
4. Identify legal requirements to create a road-worthy vehicle.
5. Comply with legal requirements.
6. Perform and meet requirements of final safety inspections.
7. Develop checklist of parts needed and cost of parts.
8. Write a journal entry on CTE3 for every class.
9. Develop during planning stage any specialized tools and or equipment needed for the project.
10. Develop written synopsis of project goals, setbacks, and knowledge gained.
11. Upon project completion, identify what you would do differently based on knowledge learned from this project.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom
Computer workstations/lab

Reviewer	Action	Date
Faculty Preparer:		
Michael Duff	*Faculty Preparer*	*Jun 14, 2017*
Department Chair/Area Director:		
Allen Day	*Recommend Approval*	*Jun 21, 2017*
Dean:		
Brandon Tucker	*Recommend Approval*	*Jun 21, 2017*
Curriculum Committee Chair:		
Lisa Veasey	*Recommend Approval*	*Sep 18, 2017*
Assessment Committee Chair:		
Michelle Garey	*Recommend Approval*	*Sep 19, 2017*
Vice President for Instruction:		
Kimberly Hurns	*Approve*	*Sep 24, 2017*