

City College of San Francisco - All Fields Course Report

Main

Distance Ed Addendum

Title Introductionto Hybrid and EV Auto Maintenance and Repair

Prefix AUTO

Base Course AUTO 56 - Introduction to Hybrid and EV Auto Maintenance and Repair

Course Number 56-DE1

Distance Ed Justification

Introduction to Hybrid and EV is a course designed for advanced students and experienced technicians focused on the best practices of servicing and maintaining electrified vehicles and the theory of drivetrain operation. Students are expected to have knowledge and experience related to basic services of standard gasoline vehicles such as engine oil change. The lab portion of Auto 56 pertains to the safety precautions and best practices for performing basic services on electrified vehicles. This course is well suited to online delivery because knowledge of safety precautions for electrified vehicle services can be demonstrated using online quizzes and discussions. Students of Auto 56 can demonstrate knowledge of safety precautions to be taken before hybrid vehicle service such as disabling the high voltage system by removing the orange service plug using online quizzes and discussions. The physical actions and motor skills involved in high voltage safety best practices such as remove orange safety plug are not difficult and do not require repetitive hands on practice to master.

Key concepts can be immediately illustrated via links to websites addressing course assignments. Online discussion forums will promote interactivity benefiting students who might not participate in the face-to-face environment. This course will have a large body of online quizzes that will allow students to get timely feedback on their learning progress.

Start Year 2018

Start Semester Spring

Instructional Delivery

Use of Technology

☒ CCSF's Online Learning Management System

☐ Televised Instruction**Other:****Student Initiated Contact**☒ Email☒ Online discussion boards or other asynchronous communication☐ Online chat or other synchronous communication☐ Telephone☐ Face to Face**Other:****Instructor Initiated Contact**☒ Email☒ Online discussion boards or other asynchronous communication☐ Online chat or other synchronous communication☐ Telephone☐ Face to Face**Other:****Contact Details**

Please review Handbook first per instructions above.

This class is fully online with no face-to-face meetings.

Students will participate in online activities for the equivalent amount of time as the face-to-face class meets in the classroom: 105 hours (6 hours per week for a 17.5-week semester).

Students may interact with the instructor via course email, during face-to-face meetings, and/or office hours.

The instructor will respond to all course email within 48 hours Monday-Friday, exclusive of school holidays.

The instructor will also be available for face-to-face meetings as well as real-time mediated conversations using tools such as Google Hangouts.

Announcements will be used to prompt students when a new week of content is available.

The instructor will routinely prompt students to complete course tasks.

Forums will be set up so that students can post course questions, organize study groups, and work together on course content. Students are encouraged to post questions and concerns to the forums so that all students can benefit. Such forums build a sense of community and encourage student engagement.

Students will be expected to contribute to learning forums and class activities sincerely and substantively.

Additionally, forums/class activities will prompt students to interact with each other in meaningful and substantive ways.

The instructor will be an active partaker and promoter in learning forums; working to engage students and improve the quality of contact for all.

The instructor will provide timely and substantive feedback after learning forums and class activities; whether it is individually or en masse will depend upon the learning forum/class activity and the type of feedback.

The instructor will prompt students who are not regularly participating in coursework and/or who have not accessed the class after two weeks.

Instructional Methodology

How will the assignments and evaluation be modified to reflect the change in mode?

Quizzes and exams will be delivered online.

Written assignments will be completed the same way they are in the face-to-face sections, but the completed versions will be uploaded to the learning management system for grading.

Presentations will be delivered through video.

Discussions will take place in online course forums.

Labs assignments will be replaced with video lectures followed by online quiz.

Integrity

Students will securely log in to access online course materials.

Each student's forum posts and assignments will be compared for consistency of writing style and originality. Learning forum posts encourage students to offer a unique perspective in response to questions/prompts; academic dishonesty is hindered when the required answers must be original.

Originator and Dates

Originator Nick Rothman

Department Chair Joe Gumina

Dean David Yee**Date****Curriculum Committee Approval Date**

Co-Contributors

Contributor**Co-Contributor**

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