

AUTO 778A: AUTOMOTIVE SHOP SUSTAINABILITY

Originator

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Co-Contributor(s)**Name(s)**

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Justification / Rationale

Automotive shop sustainability is one of two courses designed to complete the required safety training for learners enrolled in the automotive program. All courses with required laboratory activities must retain current certification through SP2 shop sustainability training. This course may serve as a prerequisite or co-requisite to any automotive course with lab units.

Effective Term

Spring 2023

Credit Status

Noncredit

Subject

AUTO - Automotive Technology

Course Number

778A

Full Course Title

Automotive Shop Sustainability

Short Title

AUTO SUSTAINABILITY

Discipline**Disciplines List**

Automotive Technology

Modality

Face-to-Face

100% Online

Hybrid

Catalog Description

This course is designed to complete the shop sustainability, knowledge-based training required for all lab-oriented courses and automotive careers. This course covers in detail, shop sustainability. Pass/No Pass grading scale requiring complete completion of SP2 web-based training modules including successfully passing the final exam.

Schedule Description

This course is designed to complete the shop sustainability, knowledge-based training required for all lab-oriented courses and automotive careers.

Non-credit Hours

8

In-class Hours

4

Out-of-class Hours

4

Total Course Units

0

Total Semester Hours

8

Override Description

Non-credit override

Required Text and Other Instructional Materials**Resource Type**

Web/Other

Open Educational Resource

Yes

Year

2021

Description

S/P2's online training gives students the awareness they need to recognize shop sustainability, as well as providing training on skills that are desirable to employers. Automotive maintains a subscription to provide required training for all learners in the program. No purchase necessary.

Class Size Maximum

36

Course Content

- Introduction to sustainability
- Understanding Pollution prevention
- Waste management and shop housekeeping
- Oil and Other Vehicle/Equipment Fluids
- Antifreeze
- Solvents
- Waste Management and Handling Spills
- Batteries
- Tire disposal
- Asbestos handling
- Refrigerants
- Other shop sustainability issues
- Conclusion and final exam

Course Objectives

	Objectives
Objective 1	Demonstrate understanding of possible environmental pollution and hazards
Objective 2	List the top 5 shop sustainability issues.
Objective 3	Describe the importance of properly documenting repairs involving chemicals and pollutants.

Student Learning Outcomes

	Upon satisfactory completion of this course, students will be able to:
Outcome 1	Demonstrate understanding of shop sustainability by passing the required SP2 exams.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Technology-based instruction	Instructional lecture will be provided using S/P2 web-based training. Virtual reality instruction.
Demonstration, Repetition/Practice	Complete a verity of web-based modules as prescribed in S/P2 training.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Self-paced testing	Each module in S/P2 have a quiz to enforce learning.	In and Out of Class
Product/project development evaluation	Each learner may be required to present a research project of written, oral or in a method deemed desirable by the instructor of record.	In and Out of Class
Mid-term and final evaluations	The course has a final exam provided by S/P2.	In and Out of Class

Assignments
Other In-class Assignments

1. In class assignments may include interactive role play scenarios to help reinforce information presented in class or lab
2. Laboratory actives are required to instill proper operation of shop equipment

Other Out-of-class Assignments

1. Complete individual training module quizzes/exams out of class.
2. Research information required to build their understanding of the topic.

Grade Methods

Pass/No Pass Only

Distance Education Checklist

Include the percentage of online and on-campus instruction you anticipate.

Online %

100

On-campus %

0

What will you be doing in the face-to-face sections of your course that necessitates a hybrid delivery vs a fully online delivery?

The material delivered will be identical, only the method of delivery will vary.

Instructional Materials and Resources

If you use any other technologies in addition to the college LMS, what other technologies will you use and how are you ensuring student data security?

S/P2 online training program; a subscription paid for by College of the Desert to satisfy college requirements to enter lab.

If used, explain how specific materials and resources outside the LMS will be used to enhance student learning.

The S/P2 Automotive Service bundle includes training courses for learners in automotive service. Make sure your learners know about shop sustainability before they enter the workplace.

Effective Student/Faculty Contact

Which of the following methods of regular, timely, and effective student/faculty contact will be used in this course?

Within Course Management System:

Discussion forums with substantive instructor participation
Online quizzes and examinations

Timely feedback and return of student work as specified in the syllabus
Weekly announcements

External to Course Management System:

Direct e-mail
Synchronous audio/video

Briefly discuss how the selected strategies above will be used to maintain Regular Effective Contact in the course.

Regular effective contact will be practiced through online lecture, discussion board postings, email communications, regular announcements, prompt grading and feedback of assignments, and virtual office hours. This contact between the facilitator and learner on a regular basis will enhance learner confidence and understanding and promote critical thinking and analyzation of subject matter.

If interacting with students outside the LMS, explain how additional interactions with students outside the LMS will enhance student learning.

Interaction between instructor and learner will help to enhance learning and understanding of subject material.

Other Information**Provide any other relevant information that will help the Curriculum Committee assess the viability of offering this course in an online or hybrid modality.**

With the uncertainty of the teaching environment, enabling the lecture portion of this course to be delivered in an online setting, while keeping the hands-on portion face-to-face, will ensure learners can access needed training to ensure knowledge and experience is achieved to gain employment in the automotive field.

MIS Course Data**CIP Code**

47.0604 - Automobile/Automotive Mechanics Technology/Technician.

TOP Code

094840 - Alternative Fuels and Advanced Transportation Technology

SAM Code

C - Clearly Occupational

Basic Skills Status

Not Basic Skills

Prior College Level

Not applicable

Cooperative Work Experience

Not a Coop Course

Course Classification Status

Workforce Prep Enhanced Funding

Approved Special Class

Not special class

Noncredit Category

Workforce Preparation

Funding Agency Category

Not Applicable

Program Status

Program Applicable

Transfer Status

Not transferable

General Education Status

Y = Not applicable

Support Course Status

N = Course is not a support course

Allow Audit

No

Repeatability

Yes

Repeatability Limit

NC

Repeat Type

Noncredit

Justification

Students may wish to take a refresher

Materials Fee

No

Additional Fees?

No

Approvals**Curriculum Committee Approval Date**

05/03/2022

Academic Senate Approval Date

05/12/2022

Board of Trustees Approval Date

05/20/2022

Chancellor's Office Approval Date

06/05/2022

Course Control Number

CCC000632005