

AUTO 306: AUTOMOTIVE SERVICE: OIL CHANGE

New Course Proposal

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Originator

zbecker

Co-Contributor(s)

Name(s)

Redman, Douglas

Justification / Rationale

This noncredit course is aimed at providing workforce training and an educational pathway for students interested in pursuing a career in the Automotive industry. It is included in the Automotive Essentials Certificate of Completion that provides the knowledge and skills required for a successful entry-level position in an automotive shop.

Effective Term

Spring 2021

Credit Status

Noncredit

Subject

AUTO - Automotive Technology

Course Number

306

Full Course Title

Automotive Service: Oil Change

Short Title

AUTO OIL CHANGE

Discipline

Disciplines List

Automotive Technology

Modality

Face-to-Face

Catalog Description

This course provides theory and hands-on experience in performing key automotive services required by entry-level technicians in an automotive repair facility atmosphere. It is geared for those students entering the workforce as an automotive technician.

Schedule Description

This course provides theory and hands-on experience in performing key automotive services required by entry-level technicians in an automotive repair facility atmosphere. It is geared for those students entering the workforce as an automotive technician.

Advisory: AUTO 301 Prerequisite: AUTO 305

Non-credit Hours

27

In-class Hours

18

Out-of-class Hours

9

Total Semester Hours

27

Override Description

Noncredit override

Prerequisite Course(s)

AUTO 305

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

Web/Other

Open Educational Resource

Yes

Year

2020

Description

Fiat/Chrysler service information.

Class Size Maximum

26

Entrance Skills

Identify major automotive components.

Requisite Course Objectives

AUTO 301-Identify major automotive components.

Entrance Skills

Describe shop safety practices and proper procedures regarding handling hazardous material.

Requisite Course Objectives

AUTO 305-Describe shop safety practices and proper procedures regarding handling hazardous material.

Entrance Skills

Identify basic automotive tools and equipment.

Requisite Course Objectives

AUTO 305-Identify basic automotive tools and equipment.

Course Content

1. Review of AUTO-010 materials
2. Review of AUTO-011B materials
3. Review of AUTO-013A materials
4. Shop administrative procedures
5. Basic vehicle services
6. Electrical system inspection and service
7. 30\60\90K mile services
8. Suspension and brake system inspection and service
9. Transaxle and driveline inspection and service

10. Tune-ups and retrieval of engine malfunction codes
11. Chrysler web-based training modules

Course Objectives

	Objectives
Objective 1	Comply with all shop safety requirements.
Objective 2	Complete work order to include customer information, vehicle identifying information, customer concern, related service history, cause, and correction.
Objective 3	Locate and use paper and electronic information.
Objective 4	Locate and use Technical Service Bulletins (TSBs).
Objective 5	Define the purpose and use of the VIN, engine numbers, and date code.
Objective 6	Demonstrate use of the three C's (concern, cause, and correction).
Objective 7	Check and adjust all vehicle fluids using manufacturer recommended fluids.
Objective 8	Perform a detailed vehicle condition inspection.
Objective 9	Inspect and replace air filter.
Objective 10	Perform oil and filter change.
Objective 11	Inspect tires; check and adjust air pressure.

Student Learning Outcomes

	Upon satisfactory completion of this course, students will be able to:
Outcome 1	Perform an engine oil and filter change on a given vehicle within 20 minutes.
Outcome 2	Locate service information required to perform engine oil and filter change.
Outcome 3	Identify safety procedures related to performing an engine oil and filter change.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Laboratory	Student will participate in lab based activities.
Discussion	Student will participate in classroom discussions.
Demonstration, Repetition/Practice	Each student will demonstrate their ability to correctly perform a given task not limited to laboratory assignments, interactive role-play and group activities.
Lecture	Each class is half lecture covering multiple aspects of course content.
Collaborative/Team	Student will work in a team setting while performing certain lab activities and researching information.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Student participation/contribution	Student will work in a team setting while performing lab activities	In and Out of Class
Tests/Quizzes/Examinations	Used to evaluate students' knowledge and understanding of the information presented. Examples of these are not limited to quizzes, exams, presentations, research, or projects.	In and Out of Class
Group activity participation/observation	Student will be observed activities in lab, group activities, information research, collaborative assignments, and other activities assigned.	In and Out of Class
Presentations/student demonstration observations	Student may participate in role play activities, reports, and possibly be required to do a visual presentation.	Out of Class Only
Laboratory projects	Student will participate in lab based activities to complete engine oil and filter change.	In Class Only

Written homework	Research of service information related to engine oil and filter change. Homework: multiple-choice questions, fill in the blank and essay questions to be graded each week.	Out of Class Only
Other	Out-of-class hours will be accounted for electronically through the learning management system.	Out of Class Only

Assignments

Other In-class Assignments

1. Review homework: multiple-choice questions, fill in the blank and essay questions to be graded each session.
2. Review SP2 safety tests.
3. Notes on lecture.
4. Participation in discussion related to topic of lecture.
5. Students must keep a notebook of all course materials including homework, class notes, handouts, class project and team activities. The notebook must be organized by chapter, in-class notes, handouts and extra-credit assignments. The note book will be evaluated after the half-way point and graded at the end of the course.
6. Review and discuss vehicle engine oil and filter change to be evaluated by the instructor during lab time.
7. Must develop teamwork skills through classroom interaction and discussion.

Other Out-of-class Assignments

1. Readings from related service information.
2. Homework from service information: multiple-choice questions, fill in the blank and essay questions to be graded each session.
3. Assigned readings and written summaries from selected service information.
4. Written summaries and analysis of assigned websites.
5. Must complete a course project consisting an essay describing, analyzing and summarizing a selected topic, including out of class research and fieldwork.
6. Students must keep a notebook of all course materials including homework, class notes, handouts, class project and team activities. The notebook must be organized by chapter, in-class notes, handouts and extra-credit assignments. The note book will be evaluated after the half-way point and graded at the end of the course.
7. Chrysler web-based training modules

Grade Methods

Pass/No Pass Only

MIS Course Data

CIP Code

47.0604 - Automobile/Automotive Mechanics Technology/Technician.

TOP Code

094800 - Automotive 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

Other Non-credit Enhanced Funding

Approved Special Class

Not special class

Noncredit Category

Short-Term Vocational

Funding Agency Category

Not Applicable

Program Status

Program Applicable

Transfer Status

Not transferable

General Education Status

Not applicable

Support Course Status

Course is not a support course

Allow Audit

No

Repeatability

Yes

Repeatability Limit

NC

Repeat Type

Noncredit

Justification

Noncredit courses are repeatable until students achieve the objectives and outcomes of the course.

Materials Fee

No

Additional Fees?

No

Approvals**Curriculum Committee Approval Date**

3/19/2020

Academic Senate Approval Date

3/26/2020

Board of Trustees Approval Date

5/15/2020

Chancellor's Office Approval Date

7/02/2020

Course Control Number

CCC000618742

Programs referencing this course

Automotive Oil Change Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined?key=325/>)