



ARPT 1138: Automotive Plastics

EFFECTIVE DATE

DEPARTMENT

Automotive Refinish Prep - Voc
DESCRIPTION

Students identify the various types of plastics, their characteristics and locations, and which procedures to follow while repairing or refinishing the various types of plastics. This course is part of the full-time Automotive Refinishing Prep Technician, Automotive Refinishing Prep Technician - High School Programs

CREDITS

1.0

YEAR OF STUDY

1st Year Post-secondary

PREREQUISITES

None

COREQUISITES

None

COURSE LEARNING OUTCOMES

Upon successful completion of this course, students will be able to:

- Describe the various types of automotive plastics
- Describe the characteristics of each plastic
- Describe plastic identification methods
- Explain the differences between a thermoset and thermoplastic plastic
- Describe vehicle Sheet Molding Compound (SMC) locations
- Describe vehicle fiberglass panel types and where they are located
- Describe and identify interior trim applications
- Describe and identify exterior plastic components
- Describe other locations of plastic
- Describe and identify thermoset plastic repair
- Describe and identify thermoplastic plastic repair
- Describe and identify the various products used to repair composites

- Describe and identify Original Equipment Manufacturer (OEM) plastic refinishing procedures
- Describe and identify fiberglass repair and refinishing procedures
- Repair and refinishing for various plastic types

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 12.5

Other: 12.5

INSTRUCTIONAL STRATEGIES

Instructional strategies include: Lectures, demonstrations, case studies, assigned homework, group work, individual work, field trips, and project work in an authentic shop environment.

GRADING SYSTEM

Percentages-ITA

PASSING GRADE

70%

EVALUATION PLAN

Type	Percentage	Assessment activity
Assignments	15	Quizzes and Assignments (formative - theory)
Exam	20	Theory exam (summative - theory)
Project	50	Practical assignments (preparation, task completion, cleanup, document writing-service report etc.)
Other	15	Observable active participation and team work

COURSE TOPICS

- Types and Characteristics of Automotive Plastics
- Plastic Identification Methods
- Thermoset and Thermoplastic
- Vehicle Sheet Molding Compound (SMC) Locations
- Fiberglass Panels Locations

- Interior Trim Applications
- Exterior Plastic Components
- Locations of Plastic
- Thermoset Plastic Repair
- Thermoplastic Plastic Repair
- Composite Repair Products
- Original Equipment Manufacturer (OEM) Plastic Refinishing Procedures
- Fiberglass Repair and Refinishing Procedures
- Repairing and Refinishing Plastics

LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

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