



# ARPT 1190: Using Materials and Equipment

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## EFFECTIVE DATE

January 2019

## DEPARTMENT

Automotive Refinish Prep - Voc

## DESCRIPTION

This course focuses on the prevention of paint defects through proper equipment, materials and vehicle preparation, in addition to materials application processes and techniques. This course is part of the full-time Automotive Refinishing Prep Technician Certificate program.

## CREDITS

5.0

## YEAR OF STUDY

1st Year Post-secondary

## PREREQUISITES

Successful completion of ARPT 1140 Occupational Skills and Safety and ARPT 1170 Refinishing Tools and Equipment

## COREQUISITES

None

## COURSE LEARNING OUTCOMES

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

- Describe undercoats and repair materials
- Select repair materials
- Mix repair materials
- Apply repair materials
- Describe corrosion protection
- Apply corrosion protection
- Use spray guns to apply primers/undercoats
- Operate a spray booth
- Operate drying and curing equipment

- Use paint manufacturers' software and equipment

## PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

## HOURS

Lecture: 62.5

Lab: 62.5

## INSTRUCTIONAL STRATEGIES

Instructional strategies include: Lectures, demonstrations, case studies, 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
Quizzes/Tests	30	Quizzes and Assignments (formative - theory)
Exam	30	Theory exam (summative - theory)
Assignments	30	Practical assignments (preparation, task completion, cleanup, document writing-service report etc.)
Participation	10	Active participation and team work

## COURSE TOPICS

- Understanding and Preventing Refinish Defects
- Corrosion Protection
- Surface Preparation and Masking
- Coatings and Additives
- Undercoat Application

- Colour Theory, Application, Tinting and Blending
- Spray Setup
- Topcoat Application

## 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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### Downtown campus

250 West Pender Street  
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### Annacis Island campus

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