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# ACRF 1120: Construction and Components

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## EFFECTIVE DATE

September 2021

## DEPARTMENT

Automotive Collision Repair

## DESCRIPTION

This course begins with a brief history of the automobile followed by the evolution of the automotive technologies and materials and how vehicles are manufactured today. Students are introduced to vehicle body styles, structures and body components. A major focus of this course is the removal and installation vehicle trim, hardware, decals and stripes to assist repair and refinishing processes.

## CREDITS

5.0

## 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:

- Identify vehicle types and structures.
- Describe interior vehicle components.
- Describe automotive glass components.
- Describe exterior trim components, fasteners and hardware.
- Remove and install trim and hardware to specified fit and finish specifications.
- Describe decals and striping.
- Remove and install decals and striping.

## PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

## HOURS

Lecture: 75

Lab: 25

## INSTRUCTIONAL STRATEGIES

Instructional strategies include: Lectures, demonstrations, 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	Formative theory (quizzes and assignments)
Exam	20	Summative Theory
Assignments	30	Performance evaluations
Participation	20	Active participation, teamwork, and safety demerits

## COURSE TOPICS

- Evolution of the Automobile
- Major Components and Structures
- Automotive Glass:
  - Movable
  - Stationary
  - National Auto Glass Specifications (NAGS)
- Trim and Hardware

## 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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### Broadway campus

1155 East Broadway  
Vancouver, B.C. Canada  
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### Downtown campus

250 West Pender Street  
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### Annacis Island campus

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