



COURSE OUTLINE

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Course Name: Construction and Components

Department Head/Coordinator: David Cross

Effective Date: January 2016

School or Centre:		Department:	
School of Transportation Trades		Auto Collision Repair and Refinishing	
Course History:		Year of Study:	
Revised Course		1st Year Post-secondary	
Name of Replacing Course (if applicable):	Course Number:	ACRD 2200	
	Number of Credits:	4.0	

Course Pre-requisites (if applicable):

Course Co-requisites (if applicable):

PLAR (Prior Learning Assessment & Recognition) No Yes (details below):

Course Description:

This course introduces students to auto body construction types, panel alignment methods, body component service procedures, automotive tempered glass, laminated glass, non-structural glass, seat belt assemblies, airbag components, cooling system service, air conditioning service, vehicle systems, and electrical/electronic on-board procedures.

Note to instructors: An instructional strategy is an approach that an instructor uses to achieve the learning outcomes (e.g., lecture, case study, video, group work).

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.

Course Learning Outcomes:

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

1. Identify auto body construction types
2. Describe panel alignment methods
3. Describe body component servicing procedures
4. Describe automotive tempered glass
5. Describe automotive laminated glass
6. Identify seat belt assemblies
7. Identify airbag system components
8. Discuss cooling system service
9. Describe air conditioning service
10. Identify vehicle systems
11. Identify electrical/electronic on-board procedures

Program Learning Outcomes:

Upon completion of this program, graduates will be able to:

1. Apply the skills and knowledge necessary to perform at an apprentice level automotive refinishing, automotive glass or automotive collision technician to provincial standards;
2. Evaluate completed repairs for consistency, accuracy and quality according to industry specifications and standards;
3. Adhere to industry health and safety standards in the repair and reconditioning of automotive vehicles;
4. Practice professional etiquette and personal hygiene while performing repairs;
5. Work effectively as a team member while performing repairs.

Evaluation/Grading System *(Click on drop down box arrows to see list of options)*

Grading System	Specify if 'Other':	Specify Passing Grade:
Percentages		70%

Components and Weighting of the Assessment/Evaluation Plan: *(Click on drop down box arrows to see list of options)*

Type	Percentage	Evaluation Plan (provide a brief explanation for each component especially if value exceeds 35%):
Assignments	25	Quizzes and Assignments (formative - theory)
Exam	20	Theory exam (summative - theory)
Project	30	Practical assignments (preparation, task completion, cleanup, document writing-service report etc.)
Other	25	Observable active participation and team work
Total		100

Learning Environment/Type *(Select all that are used within the course)*

Instruction Type	Hours Per Instruction Type	Comments
L - Classroom	50	
K - Shop/Teaching Kitchen	50	
Enter Total Hours	100	

Resource Material(s):

Resources are items in addition to tuition that the student is responsible for purchasing. Course resource information will be supplied by the department/instructor.

Course Topics and Sequence Covered:

1. Auto body construction types
2. Panel alignment methods
3. Body component servicing procedures
4. Automotive tempered glass
5. Automotive laminated glass
6. Seat belt assemblies
7. Airbag system components
8. Cooling system service
9. Air conditioning service
10. Vehicle systems
11. Electrical/electronic on-board procedures

VCC Education and Education Support Policies

There are a number of **Education** and **Education Support** policies that govern your educational experience at VCC, please familiarize yourself with them.

The policies are located on the VCC web site at:

<http://www.vcc.ca/about/governance--policies/policies/>

To find out how this course transfers, visit the BC Transfer Guide at www.bctransferguide.ca.

FOR COMMITTEE USE ONLY

Date Approved by Education Council:	CC: Sep. 15, 2015	Date Approved by VCC Board (if applicable):	
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