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ACRD 1240: Welding, Cutting and Heating Steel 2

EFFECTIVE DATE

May 2019

DEPARTMENT

Auto Collision Refinishing Dip

DESCRIPTION

This course builds on ACRD 1140. Students learn to perform modern welding procedures including squeeze-type resistance spot welding and silicone bronze MIG welding to meet technology advances in collision repair. This course is part of the full-time Auto Collision Repair and Refinishing Diploma program.

CREDITS

1.0

YEAR OF STUDY

1st Year Post-secondary

PREREQUISITES

ACRD 1140 Welding, Cutting and Heating Steel 1

COREQUISITES

None

COURSE LEARNING OUTCOMES

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

- Describe resistance spot welding
- Perform resistance spot welding procedures
- Describe silicon bronze MIG welding
- Perform silicon bronze MIG welding procedures

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 10

Lab: 15

INSTRUCTIONAL STRATEGIES

Instructional strategies may include lectures, demonstrations, 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	25	Quizzes and Assignments (formative - theory)
Exam	20	Theory exam (summative - theory)
Assignments	30	Ongoing observations of workplace behavior and use of personal protective equipment.
Participation	25	Observable active participation and team work

COURSE TOPICS

- Squeeze-Type Resistance Spot Welding
- MIG Brazing

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>.

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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Generated at: 2:38 pm on Apr. 11, 2021