

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information**Department:** Automotive**Submitter**

First Name: Dave
Last Name: Bradley
Phone: 3051
Email: bradleyd

Course Prefix and Number: AB - 113A**# Credits:** 6**Contact hours**

Lecture (# of hours):
Lec/lab (# of hours): 120
Lab (# of hours):
Total course hours: 120

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Collision Repair I/Nonstructural**Course Description:**

Provides basic instruction in collision repairs, including shop safety and chemical hazard safety; proper and safe use of tools; basic metal work and finishing; use of filler; door removal, replacement and alignment; and replacement and alignment of bolt-on front end sheet metal parts. For high school students.

Type of Course: Career Technical Preparatory**Reason for the new course:**

College course for high school students

Is this class challengeable?**No**

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Collision Repair/Refinishing Technology

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: No

When do you plan to offer this course?

- ✓ Fall
- ✓ Winter

✓ Spring

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. understand and practice proper shop safety,
2. select and utilize appropriate worker protection,
3. use tools properly,
4. perform basic metal work and finishing processes,
5. demonstrate metal and plastic filler repair,
6. removal, replacement and alignment of bolt-on sheet metal components.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Shop orientation.
2. Worker protection.
3. Tool introduction including selecting and safety using:
 - 3a. hand tools,
 - 3b. power tools,
 - 3c. grinders,
 - 3d. jacks and stands,
 - 3e. hoists,
 - 3f. welding equipment,
 - 3g. car care.
4. Fire prevention.
5. Shop safety.
6. Fire extinguishers.
7. Introduction to metal work.
 - 7a. types of dents,
 - 7b. dents on high and low crown contours,
 - 7c. rough out procedures,
 - 7d. on and off dolly hammering,
 - 7e. body spoons, picks and bars, and dent pullers,
 - 7f. heat shrinking,
 - 7g. cold shrinking,
 - 7h. metal finishing with pick and file,
 - 7i. welding and forging of patches and seams.
8. Introduction to plastic filler.
 - 8a. preparation of metal for plastic application,

- 8b. abrasives for grinding and finishing,
- 8c. mixing,
- 8d. application,
- 8e. finishing.
- 9. Introduction to doors, door glasses and components.
 - 9a. door upholstery and related component removal and replacement,
 - 9b. door glass, regulator, stops, and latch component disassembly and replacement,
 - 9c. removal and replacement of doors and hinges,
 - 9d. door and related parts alignment,
 - 9e. watershield and weatherstrip installation,
 - 9f. leak testing.
- 10. Front end sheet metal.
 - 10a. bumper removal replacement and alignment,
 - 10b. grill and gravel deflector removal, replacement and alignment,
 - 10c. fender and inner panel removal, replacement and alignment,
 - 10d. hood hinge and hood latch removal, replacement and alignment,
 - 10e. core support and radiator removal, replacement and alignment.

Does the content of this class relate to job skills in any of the following areas:

- | | |
|--------------------------------------|-----------|
| 1. Increased energy efficiency | No |
| 2. Produce renewable energy | No |
| 3. Prevent environmental degradation | No |
| 4. Clean up natural environment | No |
| 5. Supports green services | No |

Percent of course: 0%

First term to be offered:

Next available term after approval

:
