

AB R007B: ADVANCED AUTOMOTIVE GRAPHICS

Originator

ptrujillo

Co-Contributor(s)
Name(s)

Corse , Kevin (kevin_corse1)

Ortega, José (jortega)

College

Oxnard College

Discipline (CB01A)

AB - Automotive Body Repair&Paint

Course Number (CB01B)

R007B

Course Title (CB02)

Advanced Automotive Graphics

Banner/Short Title

Advanced Automotive Graphics

Credit Type

Credit

Start Term

Fall 2021

Catalog Course Description

This course provides instruction in advanced level automotive graphics design including color selection, paint mixing, customized murals, advanced commercial lettering applications, advanced outlines and shadowing, advanced pinstriping, and customized quills.

Taxonomy of Programs (TOP) Code (CB03)

0949.00 - *Automotive Collision Repair

Course Credit Status (CB04)

D (Credit - Degree Applicable)

Course Transfer Status (CB05) (select one only)

C (Not transferable)

Course Basic Skills Status (CB08)

N - The Course is Not a Basic Skills Course

SAM Priority Code (CB09)

C - Clearly Occupational

Course Cooperative Work Experience Education Status (CB10)

N - Is Not Part of a Cooperative Work Experience Education Program

Course Classification Status (CB11)

Y - Credit Course

Educational Assistance Class Instruction (Approved Special Class) (CB13)

N - The Course is Not an Approved Special Class

Course Prior to Transfer Level (CB21)

Y - Not Applicable

Course Noncredit Category (CB22)

Y - Credit Course

Funding Agency Category (CB23)

Y - Not Applicable (Funding Not Used)

Course Program Status (CB24)

1 - Program Applicable

General Education Status (CB25)

Y - Not Applicable

Support Course Status (CB26)

N - Course is not a support course

Field trips

May be required

Grading method

Letter Graded

Alternate grading methods

Student Option- Letter/Pass
Pass/No Pass Grading

Does this course require an instructional materials fee?

No

Repeatable for Credit

No

Is this course part of a family?

No

Units and Hours

Carnegie Unit Override

No

In-Class

Lecture

Minimum Contact/In-Class Lecture Hours

17.5

Maximum Contact/In-Class Lecture Hours

17.5

Activity

Laboratory

Minimum Contact/In-Class Laboratory Hours

52.5

Maximum Contact/In-Class Laboratory Hours

52.5

Total in-Class**Total in-Class****Total Minimum Contact/In-Class Hours**

70

Total Maximum Contact/In-Class Hours

70

Outside-of-Class**Internship/Cooperative Work Experience**

Paid

Unpaid

Total Outside-of-Class**Total Outside-of-Class****Minimum Outside-of-Class Hours**

35

Maximum Outside-of-Class Hours

35

Total Student Learning**Total Student Learning****Total Minimum Student Learning Hours**

105

Total Maximum Student Learning Hours

105

Minimum Units (CB07)

2

Maximum Units (CB06)

2

Prerequisites

AB R007A

Entrance Skills**Entrance Skills**

- A. Identify and implement safety measures prior to painting
- B. Prepare a vehicle for auto graphics
- C. Layout design for pin-striping and graphics
- D. Paint and pin-stripe auto graphics up to industry standards
- E. Perform preventive maintenance and touch-up common to the industry
- F. Prepare estimates for auto graphics applications

Prerequisite Course Objectives

- AB R007A-Identify and implement safety measures prior to painting.
 - AB R007A-Prepare a vehicle for auto graphics.
 - AB R007A-Layout design for pin-striping and graphics.
 - AB R007A- Paint and pin-stripe auto graphics up to industry standards.
 - AB R007A-Perform preventive maintenance and touch-up common to the industry.
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Requisite Justification**Requisite Type**

Prerequisite

Requisite

AB R007A

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Student Learning Outcomes (CSLOs)**Upon satisfactory completion of the course, students will be able to:**

- | | |
|---|---|
| 1 | Students will demonstrate the ability to do advanced pin-stripping outlines on a vehicle. |
| 2 | Students will apply proper advanced pin-stripping brush techniques. |
| 3 | Students will know how to do advanced graphics patterns and applications. |

Course Objectives**Upon satisfactory completion of the course, students will be able to:**

- | | |
|---|--|
| 1 | List and follow all shop safety criteria. |
| 2 | Perform advanced vehicle preparation techniques in pintstripping. |
| 3 | Identify and select materials necessary for advanced auto graphics applications. |
| 4 | Perform advanced auto pintstripping applications. |

Course Content**Lecture/Course Content**

1. Paint Shop Safety
 - a. Eye protection
 - b. Ventilation for work area
 - c. Clean workstations
 - d. Disposal of paints and solvents
2. Advanced Vehicle Preparation
 - a. Cleaning solvents
 - b. Type of solvents to use on different paints
 - c. Advanced custom masking
3. Advanced Project Layout
 - a. Advanced design
 - b. Advanced color selection and mixing
 - c. Custom murals/ Air brush and quill cartoons art
 - d. Advanced commercial lettering/ Basic layout
 - e. Advanced gingerbread design
4. Advance Brush Techniques
 - a. Custom multi-color striping
 - b. Advanced outlines and shadowing
 - c. Custom quills and applications
5. Custom Paints
 - a. One shot enamels and custom mixing
 - b. Lacquers
 - c. Urethane
 - d. Mixing paints and thinners
6. Advanced Paint Applications

- a. Custom pinstriping techniques
 - b. Advanced splatter techniques
 - c. Advanced sponge techniques
 - d. Advanced dry brush techniques
 - e. Custom marbling pinstriping techniques
 - f. Wood grains techniques
 - g. Lace techniques
 - h. Air brush techniques
 - i. Gold and silver leaf application
7. Advanced Scroll Style Graphics
- a. Custom layouts
 - b. Advanced color combinations
 - c. Advanced thickness techniques
 - d. Custom handle trimming and hand positioning
8. Advanced Custom Flames
- a. Advanced pinstriping flames
 - b. Custom multi color flames
 - c. Custom ghost flames
 - d. Advanced scroll style flames
 - e. Sponge flames

Laboratory or Activity Content

1. Paint Shop Safety
- a. Eye protection
 - b. Ventilation for work area
 - c. Clean workstations
 - d. Disposal of paints and solvents
2. Advanced Vehicle Preparation
- a. Cleaning solvents
 - b. Type of solvents to use on different paints
 - c. Advanced custom masking
3. Advanced Project Layout
- a. Advanced design
 - b. Advanced color selection and mixing
 - c. Custom murals/ Air brush and quill cartoons art
 - d. Advanced commercial lettering/ Basic layout
 - e. Advanced gingerbread design
4. Advance Brush Techniques
- a. Custom multi-color striping
 - b. Advanced outlines and shadowing
 - c. Custom quills and applications
5. Custom Paints
- a. One shot enamels and custom mixing
 - b. Lacquers
 - c. Urethane
 - d. Mixing paints and thinners
6. Advanced Paint Applications
- a. Custom pinstriping techniques
 - b. Advanced splatter techniques
 - c. Advanced sponge techniques
 - d. Advanced dry brush techniques
 - e. Custom marbling pinstriping techniques
 - f. Wood grains techniques
 - g. Lace techniques
 - h. Air brush techniques
 - i. Gold and silver leaf application
7. Advanced Scroll Style Graphics

- a. Custom layouts
 - b. Advanced color combinations
 - c. Advanced thickness techniques
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- a. Advanced pinstriping flames
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 - d. Advanced scroll style flames
 - e. Sponge flames

Methods of Evaluation

Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):

Problem solving exercises
Skills demonstrations

Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):

Individual projects
Laboratory activities
Other (specify)
Projects
Problem-Solving Assignments
Quizzes
Skills demonstrations

Other

Written Assignments

Instructional Methodology

Specify the methods of instruction that may be employed in this course

Audio-visual presentations
Distance Education
Demonstrations
Guest speakers
Instructor-guided interpretation and analysis
Lecture

Describe specific examples of the methods the instructor will use:

1. Students will be required to take test and answer the review questions at the end of each assigned textbook chapter.
2. Instructor led demonstrations on paint mixing, outlines and shadowing, commercial lettering, and advanced pin-stripping.
3. Visual media on computer generated graphics applications and custom pin-stripping techniques.
4. Guest speakers from auto graphics industry representatives in the area discussing topics including paint mixing, customized lettering, pricing, and Industry events.

Representative Course Assignments

Writing Assignments

1. Students will be required to summarize articles from the professional journals and magazines.
2. Depending on the availability of guest speakers, students may be required to summarize the presentation of a guest speaker that will lecture on an advanced auto graphics topic.
3. Students will be required to do online work in canvas.

Critical Thinking Assignments

1. List and follow all shop safety criteria.
2. Perform advanced vehicle preparation techniques in preparation for pinstriping.
3. Identify and select materials necessary for advanced auto graphics applications

Reading Assignments

1. Students will be required to do reading outside of class hours from the course textbook, and industry journals and magazines such as Auto Graphics and Stripes and Elite Street.
2. Students will be required to read industry articles from reputable auto graphics websites such as www.autoartmagazine.com and www.airbrushaction.com.

Skills Demonstrations

1. Identify and select materials necessary for advanced auto graphics applications.
2. Perform advanced auto paint striping applications.
3. Perform custom marbling pin striping techniques
4. Identify wood grains techniques.

Other assignments (if applicable)

1. Students will be assigned visual media assignments including the viewing of auto graphics art and online video content that demonstrate advanced pin-striping and lettering techniques.

Outside Assignments**Representative Outside Assignments**

1. Students will be required to do reading outside of class hours from the course textbook, and industry journals and magazines such as Auto Graphics and Stripes and Elite Street.
2. Students will be required to read industry articles from reputable auto graphics websites such as www.autoartmagazine.com and www.airbrushaction.com.
3. Students will be required to visit websites and complete worksheets, an example would be to visit the <https://www.SP2.org> Autobodyshopsafety website and complete the Test on Body Shop Safety.

District General Education

A. Natural Sciences

B. Social and Behavioral Sciences

C. Humanities

D. Language and Rationality

E. Health and Physical Education/Kinesiology

F. Ethnic Studies/Gender Studies

CSU GE-Breadth

Area A: English Language Communication and Critical Thinking

Area B: Scientific Inquiry and Quantitative Reasoning

Area C: Arts and Humanities

Area D: Social Sciences

Area E: Lifelong Learning and Self-Development

Area F: Ethnic Studies

CSU Graduation Requirement in U.S. History, Constitution and American Ideals:

IGETC

Area 1: English Communication

Area 2A: Mathematical Concepts & Quantitative Reasoning

Area 3: Arts and Humanities

Area 4: Social and Behavioral Sciences

Area 5: Physical and Biological Sciences

Area 6: Languages Other than English (LOTE)

Textbooks and Lab Manuals

Resource Type

Textbook

Description

Martinez, H. (2007). *Herb Martinez's Guide to Pinstriping*. (Latest edition) Krause Publishing. This textbook is a classic book and is the best suitable for the course. It is the latest edition.

Resource Type

Other Instructional Materials

Description

Instructional materials and tools including paint, brushes, pin-striping material, and safety equipment..

Distance Education Addendum

Definitions

Distance Education Modalities

Hybrid (1%–50% online)

Faculty Certifications

Faculty assigned to teach Hybrid or Fully Online sections of this course will receive training in how to satisfy the Federal and state regulations governing regular effective/substantive contact for distance education. The training will include common elements in the district-supported learning management system (LMS), online teaching methods, regular effective/substantive contact, and best practices.

Yes

Faculty assigned to teach Hybrid or Fully Online sections of this course will meet with the EAC Alternate Media Specialist to ensure that the course content meets the required Federal and state accessibility standards for access by students with disabilities. Common areas for discussion include accessibility of PDF files, images, captioning of videos, Power Point presentations, math and scientific notation, and ensuring the use of style mark-up in Word documents.

Yes

Regular Effective/Substantive Contact

Hybrid (1%–50% online) Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	Regular use of asynchronous discussion boards will be used for online activities. Questions and topics will be posted for meaningful discussion between faculty and required between students.
Video Conferencing	Recordings of proper techniques and processes will be available. Real time video available scheduled and unscheduled.
Face to Face (by student request; cannot be required)	Students will have hands on face to face contact with projects and skill instruction on campus and instructor lead. Many skills developed through this course can not be performed online. Welding, metal grinding, metal repair, sanding, structural repairs, painting and many hands on activities must be observed and demonstrated by instructor.
Synchronous Dialog (e.g., online chat)	Students may be notified of special instances of synchronous contact through online means.
E-mail	Email communication is available at any time. Announcements and messages will be used regularly to update and clarify assignments.

Examinations

Hybrid (1%–50% online) Modality

Online
On campus

Primary Minimum Qualification

AUTO BODY TECHNOLOGY

Review and Approval Dates

Department Chair

09/16/2020

Dean

09/16/2020

Technical Review

10/28/2020

Curriculum Committee

10/28/2020

DTRW-I

MM/DD/YYYY

Curriculum Committee

12/09/2020

Board

MM/DD/YYYY

CCCCO

MM/DD/YYYY

Control Number

CCC000512990

DOE/accreditation approval date

MM/DD/YYYY