

SYLLABUS

DIVISION: Business and Engineering Technology

REVISED: : Summer Semester

CURRICULA IN WHICH COURSE IS TAUGHT: Auto Body Repair

COURSE NUMBER AND TITLE: AUB 113-01 Automobile Body Theory and Shop Practice III

TEXTBOOK: The Principles of Auto Body Repairing and Repainting (5th ed.)

CREDIT HOURS: 6 **HOURS/WK LEC:** 3 **HOURS/WK LAB:** 9 **LEC/LAB COMB:** 12

I. CATALOG DESCRIPTION: Presents the fundamentals of refinishing and painting automobiles including the techniques of making, blending and spraying. The course covers wheel alignment, air condition recharging, electrical, and fundamentals of Microsoft Office

II. RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES:

Demonstrate technical understanding of refinishing equipment.

Demonstrate technical competencies and skills in the use of the refinishing equipment.

Demonstrate technical competencies and skills in the art of blending, panel and overall refinishing techniques.

Demonstrate technical skills in masking of the automobile.

Demonstrate technical competencies and skills in the use of varying types of paints, enamel, acrylic lacquer, acrylic enamel, acrylic urethane enamel, polyurethane enamel, basecoat/clear coats.

Read and interpret technical information required of the projects and assignments.

Use safety equipment and procedures required for the operations being performed.

Demonstrate and maintain a clean, orderly and safe, attractive workplace.

Demonstrate technical competencies and skills in the use of alignment, air conditioning, and electrical equipment

III. REQUIRED BACKGROUND/PREREQUISITIES:

The student must have completed the courses in the Auto Body Mechanics curriculum that precede it or have the instructor's permission.

IV. COURSE CONTENT:

Basic wheel alignment principles

Air conditioning recovery and recharging

Use of electrical test equipment

Microsoft Office

Headlamp aiming

Blending

Panel refinishing

Overall refinishing

Masking

Use and Maintenance of spray equipment

Paint I.D.

Paint mixing

Paint tinting

V. THE FOLLOWING GENERAL EDUCATION OBJECTIVES WILL BE ADDRESSED IN THIS COURSE (Place X by all that apply)

X Communication

Quantitative Reasoning

X Information
Literacy

Cultural and Social Understanding

X Critical Thinking

X Scientific Reasoning

Personal Development

VI. LEARNER OUTCOMES**VII. EVALUATION**

Learner outcome (starts with verb) Identify the different types of paints that are used in refinishing Understand	Evaluation method Lab exercises Written test
Learner outcome Determine which type of refinishing that is needed for certain repairs, blending, panel, or overall.	Evaluation method Lab exercises In class assignments Written test
Learner outcome Diagnose paint failures and color tinting problems	Evaluation method Lab exercises In class assignments Written test
Learner outcome Identify the types of paint equipment	Evaluation method Lab exercises In class assignments Written test
Learner outcome Identify suspension components and alignment theory	Evaluation method Lab exercises In class assignments Written test
Learner outcome Identify regulations for air conditioning recovery and recharging	Evaluation method Lab exercises In class assignments Written test
Learner outcome Complete Microsoft Office project	Evaluation method Lab. exercise In class assignments Written test
Learner outcome Diagnose basic electrical circuit problems	Evaluation method Lab. exercise In class assignments Written test

COURSE OUTLINE

COURSE SECTION NUMBER/TITLE:

AUB 116-01 Auto Body Repair

COURSE PREREQUISITE(S):

Admission to College

SEMESTER: Fall 2013

INSTRUCTOR: Sammy Shelton

OFFICE NO: EIT Room #1

OFFICE HOURS: Posted

TELEPHONE - 434-797-8522; email sshelton@dcc.vccs.edu

TEXTBOOKS, OTHER REFERENCE MATERIALS:

Auto Body Repair

COURSE CONTENT

PROPER CARE AND OPERATION OF THE FRAME MACHINE

HOW TO SET-UP THE VEHICLE

HOW TO MEASURE THE VEHICLE

HOW TO IDENTIFY FRAME DAMAGE

HOW TO REPAIR FRAME DAMAGE

SHOP SAFETY

ATTENDANCE REQUIREMENTS:

Attendance is expected at all times. Individual work assignments will be given by the instructor. If absences causes a student not to complete his assigned work an (I) incomplete grade will be given. Any material covered during absence will be the student's responsibility to cover on his own. Any make-up test must be taken during exam week

GRADING AND ATTENDANCE POLICY:

LAB GRADES ARE BASED ON A POSSIBLE 4 POINTS PER DAY

3.5 - 4.0 A

3.0 - 3.4 B

2.5 - 2.9 C

2.0 - 2.4 D

LESS THAN 2.0 F

CLASS GRADES WILL BE DETERMINED FROM ATTENDANCE AND TESTS AND HOMEWORK ASSIGNMENTS

90 - 100 A

80 - 89 B

70 - 79 C

60 - 69 D

UNDER 60 F

IF A STUDENT IS MORE THAN 5 MINUTES LATE FOR LAB. 1 POINT WILL BE DEDUCTED FROM THE DAILY GRADE.

IF A STUDENT IS MORE THAN 15 MINUTES LATE FOR LAB. 2 POINTS WILL BE DEDUCTED FROM THE DAILY GRADE.

IF A STUDENT IS MORE THAN 30 MINUTES LATE FOR LAB. 3 POINTS WILL BE DEDUCTED FROM THE DAILY GRADE.

STUDENTS WILL ALSO BE GRADED ON LAB. PERFORMANCE AND SAFETY.

STUDENTS ARE REQUIRED TO WEAR SAFETY GLASSES IN THE LAB.

STUDENTS WITHOUT SAFETY GLASSES WILL NOT BE ALLOWED IN THE LAB. AND WILL RECEIVE A ZERO FOR THE DAY.

STUDENTS WITH SPECIAL NEEDS:

If you are a student with special medical needs, please inform me as to how I can best assist you. All information will be considered confidential.

If you are a student who needs special ADA-related accommodations, please inform the DCC ADA Coordinator at 434-797-8441.