

\_\_\_\_\_ SOUTH SEATTLE COMMUNITY COLLEGE \_\_\_\_\_

Technical Education Division

### COURSE OUTLINE

Revision: S. Ford May 2008

DEPARTMENT:	Automotive Technology
CURRICULUM:	Auto Body Collision Repair
COURSE TITLE:	Preparing the Equipment, Paint and Refinishing Materials
COURSE NUMBER:	ABR 133
TYPE OF COURSE:	Vocational Preparatory
COURSE LENGTH:	4 weeks
CREDIT HOURS:	5
LECTURE HOURS:	25
LAB HOURS:	75
CLASS SIZE:	20
PREREQUISITES:	ABR 111 (Introduction to Automotive Collision Technology), ABR 112 (Safety and Environmental Practices) and ABR 113 (Welding and Cutting), or instructors permission

#### COURSE DESCRIPTION:

This course instructs the student to set-up and use the final preparation, spray environment, and drying areas for refinishing. They will understand paint mixing formulas using reference manuals, mix paint according to published formulas, and describe the various types of air supply equipment and set-up. They will use various types of spray guns, make all preliminary adjustments to the air system and spray gun, test the spray gun, and make final adjustments in preparation for refinishing. Instruction in safety, environmental awareness, human relations and work ethics are taught as an integral part of this course of study.

ABR 133 Preparing the Equipment, Paint and Refinish Materials  
May 2008

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Technology - Select and use appropriate tools and equipment to ensure vehicle is dust free.
2. Critical Thinking and Problem Solving - Use problem solving skills to determine condition of finish and develop plan to repair.
3. Personal Responsibility - Manage personal health and safety when working in the automotive refinishing industry.

GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Set-up and use the final preparation, spray environment ,and drying areas for refinishing.
2. Demonstrate and use tools and equipment found in the paint mixing area, and understand paint mixing formulas using reference manuals.
3. Demonstrate and use various types of air supply equipment, set-ups, and make all necessary adjustments for a satisfactory performance.
4. Set up various types of spray guns, make all preliminary adjustments to air system and the spray gun, and make final adjustments in preparation for refinishing.

TOPICAL OUTLINE:

APPROX. HOURS

I.	Prepare the painting environment	20
II.	Prepare and use the paint mixing area	20
III.	Prepare and use the air supply equipment	30
IV.	Set-up, test and adjust spray guns	<u>30</u>
	Total	100

REVISED BY: Steve Ford  
DATE: May 2008