

_____ SOUTH SEATTLE COMMUNITY COLLEGE _____

Technical Education Division

COURSE OUTLINE

Revision: S. Ford - February 2012

DEPARTMENT: Automotive Technology

CURRICULUM: Auto Body Collision Repair

COURSE TITLE: Metal Straightening

COURSE NUMBER: ABR 123

TYPE OF COURSE: Vocational Preparatory

COURSE LENGTH: 3 weeks

CREDIT HOURS: 4

LECTURE HOURS: 15

LAB HOURS: 60

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 module instructs the student in the basic fundamentals of metal straightening and proper selection of metal straightening tools. Instruction in safety, environmental awareness, human relations and work ethics are taught as an integral part of this course of study.

ABR 123 Metal Straightening

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Technology - Use appropriate technological tools to perform the metal repair process.
2. Critical Thinking and Problem Solving - Think critically in evaluating information and solving problems.
3. Human Relation - Use social interactive skills to work in groups effectively.

GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Identify metal straightening tools.
2. Demonstrate proper use of metal straightening tools.
3. Know how to use air tools during the panel repair process.
4. Demonstrate proper maintenance of metal straightening tools.

TOPICAL OUTLINE:

APPROX. HOURS

I. Identification of metal straightening tools	15
II. How to select and proper usage of tools for various types of small metal damage repair	45
III. Learn metal shrinking techniques	<u>15</u>
Total	<u>75</u>

REVISED BY: Steve Ford
DATE: February 2012