Faculty is required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT. Transportation Division Auto Body COURSE NUMBER: TRAB 1200

NUMBER OF CREDITS: 3

COURSE TITLE: Basic Auto Body Welding

CATALOG DESCRIPTION: This course covers the safety and set-up of oxyacetylene, and MIG welding in flat, vertical, and overhead positions. Oxyacetylene and plasma cutting methods are also covered. Students will be working with aluminum and galvanized metals. Students will also do tig welding.

AUDIENCE: Auto Body Repair students and anyone else interested in the repair and refinishing of modern, classic, street rods, and custom automobiles.

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
Area: by meeting the following competencies:
Area: by meeting the following competencies:
Area: by meeting the following competencies:

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: Current enrollment, no previous experience required.

LENGTH OF COURSE:

THIS COURSE IS USUALLY OFFERED:
Every other year □ fall ☑ spring □ summer □ undetermined □

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT: The academic objectives of this course are:
   The student will achieve the first level of knowledge and skill needed in the Auto Body repair.

2) THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills through:
   The student will accurately perform skills required with an understanding of repair procedures in Auto Body repair.

3) COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:
The student will demonstrate appropriate communication techniques in performing skills in the lab by communicating with customers and instructors.

4) HUMAN DIVERSITY: This course will help students recognize, understand, and appreciate human diversity through:

   The student will gain self-awareness regarding their feelings towards people of different cultures, educational backgrounds, value systems, and socioeconomic status.

TOPICS TO BE COVERED: Basic procedures of automatic refinishing, tools, equipment, and materials necessary for refinishing. Learn what color is, how to mix color, and how to apply color.

LIST OF EXPECTED COURSE OUTCOMES:
1. Identify different types of metal
2. Identify different types of welders
3. Identify welding techniques
4. Perform different types of welds
5. Identify different types of adhesives
6. Use different types of adhesives

LEARNING/TEACHING TECHNIQUES used in the course are:

- Collaborative Learning
- Student Presentations
- Creative Projects
- Lecture
- Demonstrations
- Lab

- Problem Solving
- Interactive Lectures
- Individual Coaching
- Films/Videos/Slides
- Other (describe below)

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

- Reading
- Oral Presentations
- Textbook Problems
- Group Problems
- Other (describe below)

- Tests
- Worksheets
- Papers
- Term Paper
- Practical Tests
- Individual Projects
- Collaborative Projects
- Portfolio

EXPECTED STUDENT LEARNING OUTCOMES:

The information in this course outline is subject to revision.

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or via your preferred Telecommunications Relay Service.

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