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 1232

NUMBER OF CREDITS: 5

COURSE TITLE: Specialty Lab II

CATALOG DESCRIPTION: This course covers goals and objectives learned in prior courses, but in a lab setting.

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: 1200, 1206, 2210, 1215, 1220, 1225

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 first level of knowledge and skill needed in the Collision Repair field

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 Collision 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:

Welding:
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

Sheet Metal:
1. Identify sheet metal safety
2. Perform sheet metal safety
3. Identify different types of sheet metal
4. Identify different types of dents
5. Perform dent removal
6. Identify affects of heat on various metals
7. Perform dent removal using heat

Plastic & Fiberglass Repair:
1. Identify different types of sub-straights
2. Identify different types of fillers
3. Identify mixing and application procedures
4. Perform mixing and application procedures
5. Identify sanding procedures
6. Perform Sanding procedures

Refinishing:
1. Identify sub-straights
2. Prepare sub-straights
3. Identify color
4. Mix colors
5. Apply colors
6. Identify masking procedures
7. Perform masking procedures
8. Identify spraying techniques
9. Perform spraying techniques
10. Identify cutting and buffing procedures
11. Perform cutting and buffing procedures

Auto Body:
1. Identify different types of glass
2. Identify removal and replacement of glass
3. Perform removal and replacement of glass
4. Identify detailing of vehicle
5. Perform detailing of vehicle
6. Identify air systems and paint guns
7. Identify spraying techniques
8. Perform spraying techniques

LIST OF EXPECTED COURSE OUTCOMES:

LEARNING/TEACHING TECHNIQUES used in the course are:
- Collaborative Learning
- Problem Solving
- Student Presentations
- Interactive Lectures
- Creative Projects
- Individual Coaching
- Lecture
- Films/Videos/Slides
- Demonstrations
- Other (describe below)
- Lab

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
- Reading
- Tests
- Individual Projects
- Oral Presentations
- Worksheets
- Collaborative Projects
- Textbook Problems
- Papers
- Group Problems
- Term Paper
- Other (describe below)

EXPECTED STUDENT LEARNING OUTCOMES:

"This course will cover the characteristics of hazardous wastes and its safe handling, storage, and disposal."

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.

A Member of the Minnesota State Colleges and Universities System
An Affirmative Action Equal Opportunity Educator/Employer