Faculty are 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. DSL       COURSE NUMBER: 1141

NUMBER OF CREDITS: 1cr. Lab

COURSE TITLE: Air Conditioning lab

CATALOG DESCRIPTION: This course covers air conditioning, heating and ventilation systems in the cab, and repair of the climate control systems.

AUDIENCE: Diesel truck students, Diesel tech.

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: This course will run along with the theory.

LENGTH OF COURSE: 30 hours

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

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

1) ACADEMIC CONTENT: The academic objectives of this course are:
   a. To learn the repair of AC system.
   b. To learn the repair of heating system.
   c. To learn the repair of the climate control system.
2) THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills through:
   a. To think through the best way to remove and install the components of the air conditioning system.
   b. To troubleshoot and repair the heating and ventilation system.

3) COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:
   a.
   b.

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

TOPICS TO BE COVERED: Repair the Air conditioning, heating, ventilation, and climate control, system.

LIST OF EXPECTED COURSE OUTCOMES: when the student has completed the repair of each one of the systems and has been check off by the instructor they will have completed the course.

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

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
X Reading                   ☐ Tests               X Individual Projects
X Oral Presentations        X Worksheets           X Collaborative Projects
☐ Textbook Problems         X Papers               ☐ Portfolio
☐ Group Problems            ☐ Term Paper
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 Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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