HIBBING COMMUNITY COLLEGE
COURSE OUTLINE

COURSE TITLE & NUMBER: Calculations for Commercial Trucking: CDL 1520
CREDITS: 2 (lec 2 / Lab 0)
PREREQUISITES: None

CATALOG DESCRIPTION: Calculations for Commercial Trucking is designed to give drivers the skills necessary to properly manage fuel, loads, and logbooks, and many other operations that require calculating skills to make informed decisions.

OUTLINE OF MAJOR CONTENT AREAS:
1. Trip planning
2. Fuel Management
3. Stopping Distance
4. Log Book
5. Cost per Mile
6. Sliding axles and fifth-wheel

COURSE GOALS/OBJECTIVES/OUTCOMES:
1. Students will calculate maximum load.
2. Students will determine load distribution.
3. Students will calculate the effect of weight on stopping distance.
4. Students will explain how weather effects stopping distance.
5. Students will demonstrate how to complete a logbook.
6. Students will explain the legal consequences of logbook.
7. Students will trip plan a wide variety of distance related trips with multiple stops.

MNTC GOALS AND COMPETENCIES MET:
N/A

HCC COMPETENCIES MET:
Thinking Creatively and Critically

STUDENT CONTRIBUTIONS:
Students are expected to attend class sessions, participate in activities and discussions, listen to and follow directions, complete assignments in a timely fashion, request assistance when needed, and contribute to a productive learning environment. Students should expect to spend two to four hours per week preparing for class.
STUDENT ASSESSMENT SHALL TAKE PLACE USING INSTRUMENTS SELECTED/DEVELOPED BY THE COURSE INSTRUCTOR.

ADDITIONAL INFORMATION: None

Curriculum Committee Approval Date: February 7, 2018

AASC APPROVAL DATE: February 21, 2018
REVIEW DATE: February 2023