COURSE INFORMATION FORM

DISCIPLINE: Business
COURSE TITLE: Advanced Operating Procedures

CR.HR 2  LECT HR. 2  LAB HR. 0  CLIN/INTERN HR. 0  CLOCK HR. _____

CATALOG DESCRIPTION
This course exposes the student to the advanced skills required for safely operating a tractor-trailer in a variety of traffic situations. Subjects such as skid control and recovery, emergency maneuvers & procedures, and extreme driving conditions will be covered. The student will also be exposed to the topics of health & fatigue, map reading, and trip planning as they relate to the professional over the road truck driver.

PREREQUISITES

EXPECTED STUDENT OUTCOMES IN THE COURSE
Upon completion of this course, the student will be able to:
1. Define the benefits of a healthy diet and proper exercise program
2. Identify the causes and cures for driver fatigue
3. Summarize the driver’s responsibility & procedures at the scene of an accident
4. Describe the procedures for recovering from a skid
5. Solve trip mileage & travel time using a motor carrier road atlas
CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Examination & Quizzes (1-5)
2. Performance Exercises (1-5)
3. Homework (1-5)

PROGRAM-LEVEL OUTCOMES ADDRESSED

- Pass the Whistle Blower Protection Act written exam
- Pass the driver wellness & fatigue written exam

General Education Outcomes
Specify which general education outcomes, if any, are substantially addressed by the course by completing the “Course/Program Assessment Matrix” to show the relationship between course and program outcomes and assessment measures.

Occupational Program Outcomes
Specify which occupational program outcomes, if any, are substantially addressed by the course by completing the “Course/Program Assessment Matrix” to show the relationship between course and program outcomes to assessment measures.

- Pass the Whistle Blower Protection Act exam 80% or better
- Pass driver wellness written exam 80% or better
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Personal Health & Safety
   A. Major health & Fitness risks to commercial vehicle drivers
   B. Wellness, health & fitness-focused alternatives to the sedentary lifestyle of a CMV driver

II. Fatigue & Sleep Disorders
    A. Driver fatigue
    B. Mental & physical effects of fatigue
    C. Fatigue counter measures

III. Slips, Trips & Falls
    A. Cost of Slips, trips & falls in the workplace
    B. Injuries from Slips, trips & falls
    C. Vehicle hazard points

IV. Public & Employer Relations
    A. Trucking industry image
    B. Interacting with the public
    C. Building customer relations
    D. Job advancement opportunities

V. Trip Planning
   A. Computer/electronic mapping programs
   B. Mileage & travel time
   C. Restricted routes

VI. Map Reading
    A. Motor Carrier Road Atlas
    B. The Interstate System
    C. Calculations Mileage

VII. Truck routing
     A. Overweight / Oversize / Routes
     B. Pay options
     C. Border Crossing Regulations

VIII. Emergency Maneuvers
      A. Evasive maneuvers
      B. Brake failure
      C. Tire blowout

IX. Skid Control & Recovery
    A. Vehicle control factors
    B. Causes of skidding
    C. Skid Recovery techniques

X. Crash (Accident) Procedures
A. FMCSR & Truck Company Definition
B. Six Step Procedure for Securing the Scene
C. Calculating the Cost
D. Hazardous Materials & Vehicle fires

XI. Skid Control
A. ABS Brake system
B. Controlled Stopping
C. Emergency Maneuvers
D. Serpentine Skid Control