<p>| <strong>Course Title:</strong> Emergency Vehicle Driving |<br />
| A maximum of 30 values |<br />
| <strong>Course Number:</strong> FIP 3601 |<br />
| <strong>Course Objectives:</strong> |<br />
| List the primary learning objectives |<br />
| 1. The Emergency Vehicle Driver shall correctly describe the administrative and general elements of NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications and shall correctly identify the causes of emergency vehicle accidents. |<br />
| 2. The Emergency Vehicle Driver shall correctly describe those human aspects and acquired abilities that may influence operator performance, describe the characteristics of a vehicle and shall correctly describe the importance and necessity of maintaining personnel files and training records on all personnel subject to driving emergency service vehicles. |<br />
| 3. The Emergency Vehicle Driver shall correctly describe the legal aspects of emergency vehicle operation and shall correctly identify the need for the development and institution of standard operating guidelines for emergency vehicle operation. |</p>
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<td>4.</td>
<td>The Emergency Vehicle Driver shall correctly describe the physical forces prevalent in the driving of emergency vehicles. This description shall include types of momentum, inertia, reaction, friction, velocity, centrifugal and centripetal forces. The Emergency Vehicle Driver shall also describe the characteristics of an emergency vehicle in relation to the physical forces acting upon the emergency vehicle.</td>
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<td>5.</td>
<td>The Emergency Vehicle Driver shall correctly describe the basic preventative maintenance requirements for emergency service apparatus equipped with auxiliary systems and shall correctly identify and describe the preventative maintenance record keeping procedures for all types of emergency service vehicles. The Emergency Vehicle Driver shall also correctly describe the cleaning, inspection, and servicing procedures for all types of emergency service apparatus.</td>
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<tr>
<td>6.</td>
<td>The Emergency Vehicle Driver shall correctly list the physical and mental needs of an emergency vehicle driver and shall correctly describe the three critical factors required for driver preparation in response to an emergency incident. The Emergency Vehicle Driver shall also describe the critical aspects of emergency</td>
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response driving.

7. The Emergency Vehicle Driver shall correctly state the purpose for the emergency vehicle competency course evaluation, and when placed in an appropriate apparatus on the competency course shall successfully complete the course.

**Course Description:**
Must include statements similar to these:

a) This course is designed to…
b) Course work includes…
c) Upon completion of this course, students should qualify for or accomplish…

This course is designed to teach safe operation of emergency vehicles, driving skills, legal implications of emergency driving and departmental standard operating procedures. This course is a stand-alone certification and is also a prerequisite to Driver Operator Certification by the NC Fire Rescue Commission.

**Course Length:**
Total class hours. If lecture, lab, and/or clinical hours have to be broken out, identify the hours separately.

20 hrs.

**Outline:**
Describe the major topic/competency to be covered. Topics should be listed as subtopics under each major heading with contact hours assigned to topic headings.

I. LESSON ONE
   A. Minimum job performance requirements for emergency vehicle drivers
   B. Preliminary individual requirements for emergency vehicle drivers
   C. Operational requirement for department vehicles
   D. Requirements for job performance evaluation of emergency vehicle drivers
   E. Definitions of terms listed in NFPA 1002 Driver/Operator Standard
   F. Problems facing emergency vehicle drivers

II. LESSON TWO
   A. Human aspects influencing operator performance
   B. Acquired abilities influencing operator performance
   C. Components and features of a vehicle
   D. Training requirements of each type of vehicle
   E. Importance and necessity of maintaining personnel file and training records
   F. Content and necessity of maintaining training
III. LESSON THREE
A. Legal environment of emergency vehicle driving
B. Legal principles and terms affecting emergency vehicle driving
C. Emergency vehicle driving laws
D. Requirements and standards pertinent to emergency vehicle driving
E. Reasons for developing and implementing standard operating guidelines
F. Standard operating guidelines that relate to emergency vehicle driving

IV. LESSON FOUR
A. Seven types of physical forces affecting emergency vehicle drivers
B. Three types of energy
C. Two types of vehicle control
D. Necessity of friction in vehicle control
E. Affects of inertia on vehicle operation
F. Law of reaction and its effects on emergency vehicles
G. Centrifugal force and its affect on vehicle driving
H. Centripetal force and its effects on vehicle driving
I. Affect of weight on emergency vehicles
J. Suspension systems and their function
K. Vehicle braking systems
L. Baffling systems on vehicles carrying water

V. LESSON FIVE
A. Basic preventative maintenance
B. Preventative maintenance on apparatus with auxiliary systems
C. Importance of preventative maintenance record keeping
D. Types of preventative maintenance records
E. Preventative maintenance procedures for cleaning and inspection
F. Apparatus frame and chassis maintenance
G. Pre-trip inspection procedures

VI. LESSON SIX
A. Definition of motivation
<table>
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<tr>
<th>CEU’s:</th>
<th>2.0</th>
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<tr>
<td>Pre-Requisites:</td>
<td>None</td>
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<tr>
<td>Textbook(s) Required:</td>
<td>Valid drivers license</td>
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<tr>
<td>Supplies or Other Requirements:</td>
<td>Practical exam followed by Final Written Exam</td>
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| Grading & Minimum Passing Criteria: | S = 80% attendance  
Passing grade of 70% or better on practical exam (if any)  
Passing written test with a grade of 70%  
P = 80% attendance with no testing  
U = Unsatisfactory in either practical or written exam  
I = Attends less than 80% of class  
W = Student withdraws from class  
NA = Never Attended |
| Attendance: | Must attend 80% of class hours |

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completion and awarding of CEU’s.