

FRS 201

Firefighters Advanced Skills I

45 clock hours

3 credit bouts

Course	Title	Lecture/Skill		Total	Fractional Credit
FRS 2011	Firefighter Safety II	4	0	4	0.3
FRS 2012	Ladders II	10	1	11	0.7
FRS 2013	Rescue II	3	1	4	0.3
FRS 2014	Ventilation II	4	0	4	0.3
FRS 2015	Fire Control II	9	0	9	0.6
FRS 2016	Emergency Disaster Planning II	13	0	13	0.8

Lecture	Skill	Fractional Credit
4	0	0.3

Course Description

This course correlates federal, state and local laws as they relate to firefighter health and safety. It discusses the firefighter's role in department safety and includes safety procedures for hand and power tools.

Prerequisites: FRS 1013, 1028, 1034 or Consent

Corequisite: None

Task List

1.	Identify applicable local, state and federal laws and regulations related to occupational health and safety.
2.	Demonstrate the service and maintenance of portable power plants and lighting equipment.
3.	Safely operate a total of 12 types of hand and power tools used for forcible entry, rescue and ventilation.

Instructor Equipment List

Projection screen
Chalkboard or marker board
Overhead projector
Slide projector
TV/VCR
Generator Lights
Assorted hand and power tools

Student Equipment List

Personal protective equipment

Old FRT Number: FRT 310 / FRT 133

10	1	0.7
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Course Description

This is an advanced course covering information pertaining to the use of ladders in the fire service including construction materials, load capacities, and cleaning and inspection.

Prerequisites: FRS 1022 or Consent**Corequisite: None****Task List**

1.	Identify and load capacities established by NFPA 1931 and NFPA 1904 for ground and aerial ladders.
2.	Demonstrate the procedures for cleaning ladders.
3.	Demonstrate inspection and maintenance procedures for different types of ground and aerial ladders.
4.	Describe the annual service test for ground ladders.

Lecture**Instructor Equipment List**

Projection screen
Chalkboard or marker board
Overhead projector
Slide projector
TV/VCR

Skills**Instructor Equipment List**

Assortment of ladders various types & lengths

Student Equipment List

Full protective equipment

Old FRT Number: 335 / FRT 134

Lecture	Skill	Fractional Credit
3	1	0.3

Course Description

This course addresses the techniques and procedures to follow relative to specific rescues, the equipment required for each and their proper use and the extrication of entrapped victims.

Prerequisites: FRS 1024 or Consent

Corequisite: None

Task List

1.	<p>Illustrate the techniques and safety procedures as they apply to the following rescue activities:</p> <ul style="list-style-type: none"> a. Structural collapses; b. Trench collapses; c. Caves and tunnels; d. Water and ice emergencies; e. Elevators and escalators; f. Emergencies involving energized electrical lines; g. Industrial accidents; AND h. Other hazards particular to the local jurisdiction.
2.	<p>Demonstrate the use of the following rescue tools:</p> <ul style="list-style-type: none"> a. Cribbing and shoring material; b. Block and tackle; c. Hydraulic devices; d. Pneumatic devices; AND e. Ratchet device.
3.	<p>Demonstrate the following evolutions, which may be required to extricate an entrapped victim of a motor vehicle accident by displacing:</p> <ul style="list-style-type: none"> a. Vehicle roof; b. Vehicle door; c. Vehicle windshield; d. Steering wheel; AND e. Steering column and dashboard.
4.	<p>Raise and lower a person a maximum of 20 vertical ft (6m) with a rope rescue system.</p>

Instructor Equipment List

As appropriate
 Vehicle extrication equipment
 Trench rescue equipment

Student Equipment List

Personal protective equipment

Old FRT Number: 350 / FRT 135

Lecture	Skill	Fractional Credit
4	0	0.3

Course Description

This course is an advanced level study in ventilating procedures. It will review mechanical ventilation systems and their use in fire ground operations.

Prerequisites: FRS 1034 or Consent

Corequisite: None

Task List

1.	Identify the manual and automatic venting devices found within structures.
2.	Identify the location of the opening, the method to be used and the precautions to be taken when ventilating a basement.
3.	Identify fire ground situations where forced ventilation procedures may be required.
4.	Describe the operations and considerations necessary to control the spread of smoke and fire throughout duct systems including: <ol style="list-style-type: none"> a. Determining location and routing of duct; b. Shutting down systems to prevent spread of heat and smoke; c. Examining duct system after thorough ventilation; d. Checking false ceilings; e. Checking duct systems outlets; and f. Determining if duct system has openings, smoke dampers, or smoke detector.
5.	Identify considerations that must be made when determining the location and size of a ventilation opening, including: <ol style="list-style-type: none"> a. Availability of natural openings; b. Location of fire; c. Direction in which the fire will be drawn; d. Type of building construction; e. Wind direction; f. Progress of fire; g. Condition of building; h. Obstructions; and i. Relative efficiency of large vs. small openings.

Instructor Equipment List

Assorted ventilation equipment

Student Equipment List

Personal protective equipment

Old FRT Number: 385 / FRT 136

Lecture	Skill	Fractional Credit
9	0	0.6

Course Description

This is an advanced course designed to teach the student to control or extinguish live fires involving combustible liquids of at least 100 sq. ft. using foam, fire in an elevated location, hidden fires inside walls and crawl spaces, fire involving energized electrical components and fire involving a flammable gas cylinder.

Prerequisites: FRS 1033 or Consent

Corequisite: None

Task List

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| 1. | <p>Extinguish or control the following live fires working as a member of a team and using appropriate protective equipment, fire fighting tools, extinguishing agents:</p> <ul style="list-style-type: none"> a. An exterior combustible liquids fire of at least 100 sq. ft. (9 m²), using a foam fire stream; b. A fire in an elevated location within a structure (e.g., upper level floor, attic); c. A hidden fire within a structure (e.g., within walls, crawl spaces); d. A fire involving energized electrical components; e. A fire involving a flammable gas cylinder (exterior); and f. A fire in a below-grade area or other location requiring initial attack from upper levels. |
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Instructor Equipment List

As needed to teach skills

Old FRT Number: 410 / FRT 137

Lecture	Skill	Fractional Credit
13	0	0.8

Course Description

This course is designed to meet the needs of fire officers and crew leaders with responsibilities to manage the operations of one or more companies in structural firefighting operations. The course components of this curriculum include preparation for response, decision-making, and tactical operations. The foundation of the course is an extensive use of simulation to provide application of concepts and the development of skill.

Prerequisites: FRS 1027 or Consent

Corequisite: None

Task List

1.	List the eight components of company officer leadership and explain the importance of transition to company officer.
2.	Explain the key safety behaviors that impact safe tactical operations.
3.	Identify the company officer's responsibility for an organized approach to emergency incident management.
4.	Prioritize personal values and describe their relationship to incident management and firefighter safety.
5.	Describe the five elements of company readiness and explain the importance of each element.
6.	Develop a personal plan for improving company readiness.
7.	List four benefits of effective incident communications and explain the importance of each.
8.	List the six steps identified in the communications model and explain the importance of each step.
9.	Apply the communications model to practical incident communications when given a scenario.
10.	List the five classifications of buildings and explain the characteristics of each classification.
11.	Identify the strengths and concerns for each building construction classification.
12.	List and explain the critical fire behavior factors that relate to tactical operations for an assigned fire scenario.
13.	Properly calculate required fire flow for structures using the National Fire Academy Fire Flow Formula.
14.	Given the required fire flow for a structure, estimate the personnel required for offensive operations.
15.	Given a scenario, properly complete a National Fire Academy Quick Access Pre-fire Plan.

Instructor Equipment List

Projector screen
Chalkboard or marker board
Overhead projector
Slide projector
TV/VCR

Old FRT Number: 495 / FRT 138