

FRS 105

Firefighters Intermediate Skills II

45 clock hours

3 credit hours

Course	Title	Lecture/Skill		Total	Fractional Credit
FRS 1051	Fire Department Organization II	4	0	4	0.3
FRS 1052	Fire Behavior II	6	0	6	0.4
FRS 1053	Personal Protective Equipment II	6	2	8	0.5
FRS 1054	Fire Hose, Appliances, & Streams II	7	3	10	0.6
FRS 1055	Ropes II	8	2	10	0.7
FRS 1056	Forcible Entry II	5	2	7	0.5

FRS 1051

**FIRE DEPARTMENT ORGANIZATION
LEVEL II**

Lecture

Skill

Fractional
Credit

4	0	0.3
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Course Description

Includes an overview of an advanced fire department member's role within the organization and the member's responsibilities relative to the transfer of command.

Prerequisites: FRS 1011 or Consent

Corequisite:

Task List

1.	Explain the Firefighter II's role as a member of the organization.
2.	Explain the responsibilities of the firefighter's role in assuming and transferring command within the incident management system.

Instructor Equipment List

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

Old FRT Number: 300 / FRT 127

FRS 1052

**FIRE BEHAVIOR
LEVEL II**

Lecture	Skill	Fractional Credit
6	0	0.4

Course Description	
This course describes the chemistry and behavior of fire. It looks at finely divided fuel, flash point, ignition temperatures and heat sources.	
Prerequisites: FRS 1012 or consent	Corequisite:

Task List	
1.	Define the following units of heat measurement: a. British thermal unit (BTU) b. Fahrenheit (°F) c. Celsius (°C) d. Calorie (C)
2.	Define the hazard of finely divided fuels as they relate to the combustion process.
3.	Define flash point, fire point, and ignition temperature.
4.	Identify two chemical, mechanical and electrical energy heat sources.

Instructor Equipment List

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

Old FRT Number: 305 / FRT 128

**PERSONAL PROTECTION
EQUIPMENT
LEVEL II**

6	2	0.5
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Course Description

This advanced course addresses the nomenclature, use, maintenance, and documentation relative to the personal protective equipment clothing and self-contained breathing apparatus.

Prerequisites: FRS 1014 or consent

Corequisite: None

Task List

1.	Identify the function of the following articles of protective equipment: a. Helmet with eye shield; b. Hood; c. Boots; d. Gloves; e. Protective trousers; f. Protective coats; g. Self-contained breathing apparatus (SCBA); h. Personal Alert Safety System (PASS); and i. Eye protection.
2.	Identify and demonstrate the care, use, inspection, maintenance, and limitations of the protective clothing and equipment.
3.	Demonstrate the donning of protective equipment.
4.	Identify hazardous environments that require respiratory protection.
5.	Identify the physical requirements of an SCBA wearer.
6.	Describe the uses and limitations of SCBA.
7.	Identify each component and safety feature of the SCBA.
8.	Describe the function of each component of the SCBA.
9.	Assure that the SCBA is in a safe condition for immediate use.
10.	Demonstrate the use of SCBA under the following condition; a. Obscured visibility, and b. Restricted passage.
11.	Demonstrate the following procedures of SCBA use; a. Emergency By-Pass Valve; b. Conservation of air; c. Regulator breathing d. Maximum use of air under working conditions; and e. Cylinder replacements.
12.	Demonstrate and document routine maintenance for SCBA, including inspection, cleaning, sanitizing and cylinder recharging.
13.	Demonstrate rescue procedures for the following: a. A firefighter with functioning respiratory protection; b. A firefighter without functioning respiratory protection; and c. A civilian without respiratory protection.

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: 315 / FRT 129

FRS 1054

**FIRE HOSE APPLIANCES AND
STREAMS
LEVEL II**

Lecture Skill Fractional
Credit

7	3	0.6
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Course Description

This course will cover the selection, maintenance and testing of fire hose, nozzles and appliances.

Prerequisites: FRS 1033 or Consent

Corequisite:

Task List

1.	Select the proper nozzle and hose for fire attack, given three different fire situations.
2.	Select adapters and appliances to be used in three specific fire ground situations.
3.	Demonstrate the procedures for cleaning and maintaining fire hose, couplings and nozzles and inspecting for damage.
4.	Demonstrate an annual service test for fire hose.
5.	Describe and demonstrate the operation of fog and solid stream nozzle.
6.	Identify the rate of water flow necessary to control fire in a room of specified volume.
7.	Describe the advantages and disadvantages of solid and fog streams.

Lecture

Instructor Equipment List

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

Skills

Instructor Equipment List

Class "A" pumper

Student Equipment List

Helmet with eye protection
Gloves
Steel toe boots

Old FRT Number: 325 / FRT 130

FRS 1055

**ROPES
LEVEL II**

Lecture	Skill	Fractional Credit
8	2	0.7

Course Description

This course relates to rope size, strength, type and length of rope to accomplish a firefighting or rescue task.

Prerequisites: FRS 1021 or Consent

Corequisite:

Task List

1.	Select the appropriate size, strength, type and length of rope to accomplish a firefighting or rescue task requiring the use of rope.
2.	Select an appropriate knot, given a firefighting or rescue task requiring the use of rope.

Lecture

Instructor Equipment List

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

Skills

Instructor Equipment List

Various sizes, types and lengths of rope
Assorted firefighting tools

Student Equipment List

Personal protective equipment
Clean leather gloves

Old FRT Number: 330 / FRT 131

Lecture	Skill	Fractional Credit
5	2	0.5

Course Description

This advanced course was designed to identify materials and construction features of doors, windows, walls, and door and window locking devices. The students will make forced entry through at least three different types of doors, windows, and walls. The course discusses maintenance of tools and equipment used for forced entry and safety factors involved.

Prerequisites: FRS 1028 or Consent of Instructor

Corequisite:

Task List

1.	Identify materials and construction features of doors, windows, and walls and the dangers associated with forcing entry through each.
2.	Force entry through at least 3 different types of each doors, windows, and walls.
3.	Identify materials and construction features of door and window locking devices.
4.	Identify the method and demonstrate procedures of through-the-lock entry for doors.
5.	Identify methods and procedures for cleaning, maintaining, and inspecting hand tools used for forcible entry.
6.	Identify and safely carry at least 1 of the following: (a) Cutting tool, (b) Prying tool, (c) Pulling tool, and (d) Striking tool.

Instructor Equipment List

Old FRT Number: FRT 132