

FRS 102

Firefighters Basic Skills 1

45 CLOCK HOURS

3 CREDIT HOURS

Course	Title	Lecture/Skill		Total	Fractional Credit
FRS 1021	Ropes	2	1	3	0.2
FRS 1022	Ladders	6	3	9	0.6
FRS 1023	Aircraft Rescue	6	0	6	0.4
FRS 1024	Rescue	5	1	6	0.4
FRS 1025	First Aid	3	1	4	0.3
FRS 1026	Bloodborne Pathogens	4	0	4	0.3
FRS 1027	Emergency Disaster Planning	2	0	2	0.1
FRS 1028	Forcible Entry	2	1	3	0.2
FRS 1029	CPR	8	0	8	0.5

Lecture	Skill	Fractional Credit
2	1	0.2

Course Description
Relates to the use and maintenance of rope and the various ties useful to hoisting equipment, securing objects and rescue.
Prerequisites: FRS 1014 or Consent of Instructor Corequisite: NONE

Task List	
1.	Explain the uses of and tie a bowline knot, a clove hitch, figure of eight on the bight, a Becket bend, overhand safety knot, and half-hitch, given the proper size and amount of rope.
2.	Tie an approved knot and hoist any selected forcible entry tool, pike pole/hook, ground ladder, hose line extinguisher, or appliance to a height of at least 12 feet, 3 inches given the proper rope.
3.	Demonstrate the procedures of inspection, maintaining and storing rope.
4.	Use a rope to tie ladders, hose, and other objects to secure them.
5.	Identify the reasons for placing a rope out of service.
6.	Distinguish between life and safety and utility ropes.

Lecture**Instructor Equipment List**

Ropes of various lengths and types

10-foot sections of rope

Projection screen

Chalkboard or marker board

Overhead projector

Slide projector

TV/VCR

Skills**Instructor Equipment List**

Hose roll tool

10-foot sections of rope

Forcible entry tool

Pike pole/hook

Ground ladder

Hose line

Fire Extinguisher

Appliance

Old FRT Number: 130 / FRT 106

Lecture	Skill	Fractional Credit
6	3	0.6

Course Description

This course covers basic information pertaining to the use of ladders in the fire service including ladder terminology, types of ladders and ladder carries and raises.

Prerequisites: FRS 1021 or Consent of Instructor

Corequisite: NONE

Task List

1.	Identify the materials used in ladder construction.
2.	Identify and describe the use of the following types of ladders: <ol style="list-style-type: none"> Folding/attic, Roof, Extension, Straight/wall, and Aerial devices.
3.	Carry, position, raise, and lower the following ground ladders: <ol style="list-style-type: none"> 14 foot single or wall ladder; 24 foot extension ladder; 35 foot extension ladder; and Folding/attic ladder
4.	Demonstrate the procedures of working from ground or aerial ladders with tools and appliances, with and without a safety harness.
5.	Climb the full length of each type of ground and aerial ladder available and demonstrate carrying fire fighting tools or equipment while ascending and descending and bringing an injured person down the ladders.
6.	Demonstrate the deployment of a roof ladder on a pitched roof.

Lecture

Instructor Equipment List

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

Skills

Instructor Equipment List

Various ground ladders and/or aerial ladder
Rope
Hose strap
Ax
Pike pole
Manikin
Section of hose

Student Equipment List

Personal Protective Equipment

Old FRT Number: 135 / FRT 107

Lecture	Skill	Fractional Credit
6	0	0.4

Course Description

This course provides the basic information needed by firefighters to effectively perform the various tasks involved in aircraft fire fighting and rescue. The information is consistent with the recommendations in NFPA 1003 Standard for Professional Qualifications for Airport Fire Fighters. 1987 Edition

Prerequisites:

Corequisite:

Task List

1.	Explain runway and taxiway Designation Systems.
2.	Explain the four levels of protective clothing used in Aircraft Firefighting.
3.	Describe the various aircraft rescue and firefighting apparatus and equipment.
4.	Describe the various specialized extinguishing agents used in aircraft firefighting.
5.	List the various aircraft types, engines and systems.
6.	Describe the various fuel systems and types of fuel used aircraft.
7.	Explain fuel protection system used on all modern aircraft.
8.	Describe the Fire and Rescue Communication Systems used at airports.
9.	List and explain the types of aircraft incidents/accidents.
10.	List the minimum information needed for responding units in aircraft accidents.
11.	List the types of fires that can be expected in aircraft.
12.	Describe the unique hazards encountered in fighting aircraft fires.
13.	Describe the fire fighting tactics required in aircraft incidents.
14.	Describe the particular problem encountered with Hazardous Material on board aircraft.
15.	Describe the personal protective equipment used in responding and mitigating aircraft hazardous material incidents.
16.	Explain the importance of pre-incident planning in aircraft accident/incidents.
17.	List the factors that should be considered in pre-incident planning for aircraft incidents.
18.	Describe the procedures for post-incident operations of aircraft accidents/incidents.
19.	List general safety precautions in an airport fire prevention program.
20.	Explain why training is important for rescue and fire fighting personnel assigned to an airport.
21.	Describe the response to military aircraft accidents/incidents.
22.	Describe the types of military aircraft in use and the emergency systems of military aircraft.

Instructor Equipment List

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

Old FRT Number: 140 / FRT 108

FRS 1024

**RESCUE
LEVEL I**

Lecture	Skill	Fractional Credit
5	1	0.4

Course Description

This course addresses the procedures of search for location, and removal of entrapped and/or injured persons under fire condition, and identifies the equipment required by the National Fire Protection Association used to affect the procedures.

Prerequisites: FRS 1022 or Consent of Instructor **Corequisite: NONE**

Task List

1.	Define and demonstrate primary and secondary search procedures under fire conditions: a. With a rope or hose line, and b. Without a rope or hose line.
2.	Don a life safety harness that meets the requirements of NFPA 1983, <i>Standard on Fire Service Life Safety Rope, Harnesses, and Hardware</i> .
3.	Inspect a life safety harness and identify the conditions that would require its removal from service.
4.	Demonstrate the removal of injured persons from an immediate hazard by the use of carries, drags and stretchers.

Lecture

Instructor Equipment List

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

Skills

Instructor Equipment List

Personal protective equipment
Rope
Hose line
Life safety harness
Manikin

Student Equipment List

Personal protective equipment

Old FRT Number: 150 / FRT 109

Lecture	Skill	Fractional Credit
3	1	0.3

Course Description

This course addresses the knowledge and skills for administering first aid including the assessment and treatment of patients sustaining injury or sudden illness until a higher level of trained emergency care technician arrives.

Prerequisites: NONE

Corequisite: NONE

Task List

1.	Demonstrate a primary survey for life threatening injuries.
2.	Identify 3 types of external bleeding and the characteristics of each type.
3.	Demonstrate 3 procedures for controlling external bleeding.
4.	Identify characteristics and emergency medical care of thermal burns.
5.	Identify the emergency medical care for chemical burns.
6.	Identify symptoms and care for traumatic shock.
7.	Identify symptoms and care for poisoning and drug overdose.
8.	Identify the method of communication with the poison control center serving local jurisdiction.
9.	Identify signs, symptoms and care steps for fractures, dislocations, sprains and strains.
10.	Identify the signs symptoms and care steps for medical and environmental emergencies included in the National Safety Council and/or American Red Cross courses.

Lecture

Instructor Equipment List

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

Skills Instructor Equipment List

Blankets
4X4 gauze pads
Triangular bandages
Roller bandages (3" or 4")
Arm Splints

Student Equipment List

Personal protective equipment for infection control

Old FRT Number: 250 / FRT 110

Lecture	Skill	Fractional Credit
4	0	0.3

Course Description

This course provides bloodborne pathogens education for emergency responders, health professionals, and others who are subject to exposure, in the (1) transmission (2) prevention and control (3) treatment (4) legal issues and (5) attitudes and behavior regarding human infections, and covers requirements of OSHA 1910.1030.

Prerequisites: NONE

Corequisite: NONE

Task List

1.	Discuss the basic science concerning bloodborne infection and disease.
2.	List the modes of transmission associated with bloodborne pathogens.
3.	Discuss treatment and community resources for infected individuals.
4.	Identify the basic symptoms of bloodborne disease.
5.	Discuss the legal aspects associated with bloodborne pathogens.
6.	Discuss attitudes and behaviors regarding HIV infections and HIV disease (AIDS) processes as they relate to the HIV infected individual on a personal basis, in the work place associates with potentially infected co-workers, and as a health care provider that provides care for potentially or confirmed HIV infected patients.
7.	Describe personal protection equipment and procedures.
8.	Identify bio-hazardous waste and waste containers and describe procedure for handling waste.
9.	Describe the procedures for decontaminating exposed surfaces of equipment and environmental.
10.	Identify the procedures and policies relative to immunization and treatment programs.
11.	List the steps for reporting all exposure incidents.
12.	List the body fluids to which infection controls apply.
13.	List the persons who might be expected to come under the OSHA 1910.1030 standard.
14.	Gain an understanding of the Exposure Control Plan.
15.	List the procedures for compliance with a local exposure control plan.
16.	List, and review the practical use of, personal protective equipment.
17.	Describe the procedure for attaining vaccinations and participating in follow-up evaluations.
18.	Identify the labels and signs of hazards to employees.
19.	List the training steps required of employers by OSHA 1910.1030.
20.	Identify Record-keeping procedures relative to the standard.

Lecture

Instructor Equipment List

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

Skills

Instructor Equipment List

Latex gloves

Facemask
Protective gown
Foot covers
Surgeon cap
Red biohazard bags
Sharps container

Student Equipment List

Personal protective equipment for infection control

Old FRT Number: 260 / FRT 111

FRS 1027

**EMERGENCY
DISASTER PLANNING
LEVEL I**

Lecture Skill Fractional
Credit

2	0	0.1
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Course Description

This course is designed to introduce the student to the concept of emergency management and the importance of an incident command system. It identifies the likelihood of the fire department involvement as an all-hazard response agency.

Prerequisites: None

Corequisite: None

Task List

1.	The student will demonstrate a knowledge of the history of disasters in Kentucky.
2.	The student shall demonstrate an understanding of the law in Kentucky as it relates to disaster planning.
3.	The student will demonstrate knowledge of the Incident Command System.
4.	The student will demonstrate knowledge of his/her roll as a responder to an emergency as it relates to Incident Command.

Instructor Equipment List

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

Old FRT Number: 295 / FRT 112

Lecture	Skill	Fractional Credit
2	1	0.2

Course Description

This course is designed to identify materials and construction features of doors, windows, walls, door and window locking devices. The students will make forced entry through at least 3 different types each of doors, windows, and walls. The course discusses maintenance of tools and equipment used for forced entry and safety factors.

Prerequisites: FRS 1014 or Consent of Instructor

Corequisite: NONE

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 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 and windows.
5.	Identify methods and procedures for cleaning, maintaining, and inspection hand tools used for forcible entry.
6.	Identify and safely carry at least 1 of the following: <ol style="list-style-type: none"> a. Cutting tool, b. Prying tool, c. Pulling tool, and d. Striking tool.

Lecture

Instructor Equipment List

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

Skills

Instructor Equipment List

Assorted forcible entry tools

Student Equipment List

Full protective equipment

Old FRT Number: 180 / FRT 113

Lecture	Skill	Fractional Credit
8	0	0.5

Course Description

This course provides the knowledge and skills for administering care for respiratory or cardiac arrest including airway, breathing, and circulation assessment and the procedures to eliminate blockage of the airway, provide breathing assistance, and cardiac compressions.

Prerequisites: NONE

Corequisite: NONE

Task List

1.	Perform the following procedures relative to cardiopulmonary resuscitation: <ol style="list-style-type: none"> a. Single rescuer for the adult, child and infant; b. Two rescuer for the adult and child; and c. Management of obstructed airway for the conscious and unconscious adult, child or infant.
2.	Demonstrate the use of a resuscitation mask in the performance of CPR.

Lecture

Instructor Equipment List

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

Skills

Instructor Equipment List

Projection screen
Chalkboard or marker board
Overhead projector
Slide projector
TV/VCR
Adult CPR Manikins
Child CPR Manikins
Infant CPR Manikins
Disinfectant
Replacement Lungs
Replacement Face
Instructional Kit Text

Student Equipment List

Text
Pocket Mask
Personal Protection Equipment

Old FRT Number: 255 / FRT 114