



VOLUNTEER FIREFIGHTER CERTIFICATION REQUIREMENTS

Volunteer Firefighter Course, General Course Information, Certification Requirements, and Course Objectives

EFFECTIVE JANUARY 1, 2018

Course Overview

The State of Ohio Certified Volunteer Firefighter Course is an **introductory, awareness-level course** designed to introduce the student to the basic elements of fireground safety and support operations and to provide them with the knowledge, skills, and abilities (KSAs), to assist in firefighting support operations with their fire departments. The Ohio Volunteer Firefighter certification is a stand-alone certificate specific to the State of Ohio which **does not meet the minimum** “Standard for Firefighter Professional Qualifications” established by the National Fire Protection Association (NFPA) 1001 as a qualifying level of public safety responder for trained firefighters.

As an awareness-level course, the Ohio Volunteer Firefighter Course is intended to be a foundation upon which firefighters can begin to build their training portfolio. Due to the 36-hour time constraint as set forth in section 4765.55 of the Ohio Revised Code, the Ohio Volunteer Firefighter course limits exposures to hazardous environments as described in the Ohio Administrative Code. The course **does not permit** student participation in any instruction involving the type of hazardous environments in which their fire department may operate. Prohibited activities include environments which are considered to be “Immediately Dangerous to Life or Health” (IDLH), including but not limited to, hot zone operations at uncontrolled fires or hazardous materials releases involving fixed structures, mobile equipment, or outdoor areas as well as operation of emergency vehicle apparatus.

Due to the limitations of the Ohio Volunteer Firefighter Course, firefighters certified to the Volunteer Firefighter level shall be provided the additional training necessary to participate in fire department activities that exceed the training provided in the Volunteer Firefighter Course. **The fire chief or the authority having jurisdiction (AHJ) is responsible to provide additional proper training in these expanded areas if the firefighter is expected to function safely within an IDLH environment or operate emergency vehicle apparatus. The fire chief acknowledges that he or she shall assume all the risk and liability for deviating from any of the state and / or nationally recognized standards for firefighting.**

Course Objectives

The Volunteer Firefighter Course Objectives are designed to provide the basic elements of fireground safety and support operations and are not intended to meet the minimum industry standard for firefighter training as determined by the National Fire Protection Association (NFPA) 1001 Standard (2013 edition). The hours assigned to each course objective are recommendations based on the needs of Ohio’s fire service, within the constraints of the 36-hour maximum course length. Chartered fire training programs may reallocate topic hours to meet student needs so long as all course objectives are met. **However, deviation of more than 25% of the recommended hours must be justified on the course request form.**

Proper documentation of students meeting course objectives is required.

Course Requirements

The Volunteer Firefighter Course, required to obtain a volunteer firefighter certificate, shall consist of a maximum of thirty-six hours*:

1. The course shall meet the “Volunteer Firefighter Course Objectives” approved by the executive director, with advice and counsel of the Firefighter and Fire Safety Inspector Training Subcommittee; and
2. The Volunteer Firefighter Course shall be approved by the executive director prior to delivery.

Contact Hours

Student contact hours: 50 – 60 minutes = 1 hour; 25 – 30 minutes = ½ hour; full days (0800 – 1600) = 7 hours (assuming 1 hour for lunch unless otherwise documented). Instructional hours may include topic instruction, material review, and testing for knowledge, e.g., quizzes. Instructional hours shall not include practical skill testing, written testing for certification, or instruction on any topic(s) not listed on this guide.

OHIO VOLUNTEER FIREFIGHTER CERTIFICATION REQUIREMENTS

STANDARD / DIRECTIVE	O.A.C. REFERENCE	VOLUNTEER FIREFIGHTER COURSE ADMISSION REQUIREMENTS
NFPA 1001; 4.1.2	4765-24-09 4765-20-02	Individuals shall be at least eighteen (18) years of age, except that a chartered fire training program may admit a student who is seventeen (17) years old provided that the student has graduated or is enrolled in the twelfth (12th) or final grade in a secondary school program.
N/A	4765-24-09	Individuals shall meet all admission requirements established by the chartered fire training program.
STANDARD / DIRECTIVE	O.A.C. REFERENCE	QUALIFICATIONS FOR VOLUNTEER FIREFIGHTER CERTIFICATION
N/A	4765-20-02	An applicant for a firefighter certificate shall be at least eighteen (18) years of age.
HSPD-5,8	4765-20-02	National Incident Management System, IS 100.
HSPD-5,8	4765-20-02	National Incident Management System, IS 700.
NFPA 1001	4765-20-02	Successful completion of a volunteer firefighter training course (36 hours) through an Ohio chartered fire training program.
N/A	4765-20-02	Shall pass the knowledge and practical skills examinations within one hundred eighty (180) days of volunteer firefighter training course completion.
N/A	4765-20-02	Shall submit a completed application within ninety (90) days of passing the knowledge examination.
N/A	4765-20-02	Applicants shall have not been convicted of any of the following: (a) Any felony; (b) A misdemeanor committed in the course of practice; (c) A misdemeanor involving moral turpitude.
N/A	4765-20-02	Applicants shall have not committed fraud, misrepresentation, or material deception in applying for or obtaining a certificate issued under section 4765.55 of the Ohio Revised Code and Chapter 4765-20 of the Ohio Administrative Code.

OHIO VOLUNTEER FIREFIGHTER COURSE OBJECTIVES & RECOMMENDED HOURS GUIDE

NFPA 1001 Standard	COURSE OBJECTIVES	VOLUNTEER FIREFIGHTER JOB PERFORMANCE REQUIREMENTS	Cognitive Hours	Practical Hours	Total Hours
5.1.1	FD Organization & Safety	Describe fire department organization, SOPs, and NFPA 1500	2	0	2
5.1.2	FD Organization & Safety	Don and doff personal protective clothing (PPE)	1	1	2
5.3.1	Fireground Operations	Use SCBA during emergency operations	1	1	2
5.3.2	Response Safety	Mount / Dismount / Respond on apparatus to an emergency scene	0.75	0.25	1
5.3.3	Scene Control	Establish and operate in work areas at emergency scenes	1	0	1
5.3.4	Forcible Entry	Force entry into a structure	1	2	3
5.3.6	Ground Ladders	Set up and climb ground ladders	1	2	3
5.3.9	Search & Rescue	Victim drags and carries	1	1	2
5.3.10	Hoseline Deployment	Hose loads, deploying / operating hose lines (exterior practicals only)	1	2	3
5.3.11	Horizontal Ventilation	Describe modern fire behavior, flow path concept, and perform horizontal ventilation on a structure	2	2	4
5.3.12	Vertical Ventilation	Fire behavior	1	0	1
5.3.13	Overhaul	Overhaul a fire scene	1	0	1
5.3.14	Salvage	Conserve property to protect building contents from further damage	0.5	1.5	2
5.3.15	Water Supply	Connect a fire department pumper to various water supplies	1	2	3
5.3.16	Fire Extinguishers	Extinguish incipient Class A, B, and C fires	0.5	1.5	2
5.3.18	Secure building utilities	Turn off building utilities	1	0	1
5.3.20	Ropes	Tie a knot appropriate for hoisting tools	1	1	2
5.5.2	Clean & check firehose	Clean, inspect, and return firehose to service	0.5	0.5	1
TOTAL VFF COURSE HOURS			18.25	17.75	36

PRACTICAL SKILLS FOR OHIO VOLUNTEER FIREFIGHTER COURSE

ODEMS SKILL SHEET	NFPA JPR	TOPIC	PSYCHOMOTOR OBJECTIVE	SKILLS TESTING R / M	JUSTIFICATION
1-2	5.1.2	PPE	Properly don personal protective clothing	M	Life Safety / Mission Critical JPR
1-3	5.1.3	PPE	Properly don SCBA	M	Life Safety / Mission Critical JPR
1-4	5.3.1	SCBA	Demonstrate emergency procedures taken in the event of SCBA failure or air cylinder depletion	M	Life Safety / Mission Critical JPR
6-1	5.3.4	Forcible Entry	Carry, select, and utilize forcible entry tools, identify correct procedure for forcibly gaining access into one or a combination of doors, windows or through walls. Start a chainsaw and rotary saw if available.	R	Mission Critical JPR
7-1	5.3.6	Ground Ladders	Demonstrate two firefighter carry and raise for extension ladders. Extending the fly section(s) assuring the fly section is locked	M	Mission Critical JPR
7-3	5.3.6	Ground Ladders	Demonstrate one firefighter extension ladder carry and raise	R	Mission Critical JPR
7-7	5.3.10	Attack Lines	Demonstrate proper method of operating a hoseline from a ladder utilizing a leg lock	R	Mission Critical JPR
10-2	5.3.9	Rescue	Rescue Victims – Demonstrate Inline drags, seat, and extremity carries	R	Mission Critical JPR
10-3	5.3.9	Rescue	Firefighter Rescue – Demonstrate SCBA drags, lift & drag	R	Mission Critical JPR
12-1	5.3.10	Hose Evolutions	Advance a charged hoseline of 1½” or 1¾” on level ground using a one firefighter method	R	Exterior Hose Evolutions only. No IDLH training.
14-1	5.3.11	Horizontal Ventilation	Perform Horizontal Ventilation for a simulated fire (May use a smoke machine or paper streamers.)	R	Mission Critical JPR
17-1	5.3.15	Water Supply	Perform hydrant-to-pumper hose connections with forward lay	R	Mission Critical JPR
17-2	5.3.15	Water Supply	Perform hydrant-to-pumper hose connections with reverse lay	R	Mission Critical JPR
18-1	5.3.16	Fire Extinguishers	Demonstrate how to safely operate a portable extinguisher to extinguish an incipient fire	R	Mission Critical JPR
2-1	5.3.20	Ropes	Demonstrate proper method to tie the following knots: bowline, clove hitch	R	Mission Critical JPR

Skills to be tested for state testing: 4 Mandatory Skills and 2 Random Skills

In order to support efficiency of course logistics and planning all skills may be completed as flip-the-switch. However, time allocated for practical skills testing shall not be included in the 36 hours of instruction time.

OHIO VOLUNTEER FIREFIGHTER COURSE OBJECTIVES

*Objectives extracted from NFPA 1001 “Standard for Firefighter Professional Qualifications”

5.1 General			IFSTA 6 th Edition pages	J&B 3 rd Edition pages	Cognitive (Lecture) Minutes	Practical Skills Minutes	Total Minutes
The fire fighter candidate shall meet the general knowledge requirements in 5.1.1; the general skill requirements in 5.1.2; the JPRs defined in this document.							
5.1.1	GENERAL KNOWLEDGE REQUIREMENTS	The organization of the fire department; the mission of fire service; the fire department’s standard operating procedures (SOPs) and rules and regulations as they apply to the Fire Fighter; the role of other agencies as they relate to the fire department; the critical aspects of NFPA 1500, Standard on Fire Department Occupational Safety and Health Program.					
Cognitive:							
1. Describe the history and culture of the fire service.			9-14, 17-20	13-14	20		
2. Outline the organization of the fire department.			20-22	8-12	10		
3. State the mission of the fire service.			33	118-127	10		
4. Explain a fire department’s standard operating procedures, rules, and regulations as they apply to Firefighters.			35-36	8	10		
5. Discuss the roles of other agencies as they relate to the fire department.			37-39	7-8	10		
6. Discuss the critical aspects of NFPA 1500, Fire Department Occupational Safety and Health Program			46-54	26-29	20		
7. Describe the Life Safety Initiatives in the “Everyone Goes Home” program			61-63	29	20		
8. Explain the Cancer hazards as they relate to the fire service.			259		20		
Section Total					120		120
5.1.2	GENERAL SKILL REQUIREMENTS	The ability to don personal protective clothing, doff personal protective clothing and prepare for reuse, hoist tools and equipment using ropes and the correct knot, and locate information in departmental documents and standard or code materials.					
Cognitive:							
1. Explain the conditions that require personal protective equipment.							
2. Identify each component of the personal protective equipment.							
3. Discuss the uses and limitation of personal protective equipment.							
4. Describe the steps for donning of personal protective equipment			88, 259-280	44-54	60	60	
5. Describe the steps for doffing of personal protective equipment.							
Psychomotor: (skill sheet 1-2)							
1. Don a full ensemble of personal protective clothing and prepare for use within one minute.							
2. Doff the full ensemble of personal protective clothing and prepare for reuse.							
Section Total					60	60	120

5.3 FIREGROUND OPERATIONS			IFSTA 6 th Edition pages	J&B 3 rd Edition pages	Cognitive (Lecture) Minutes	Practical Skills Minutes	Total Minutes
5.3.1	SELF-CONTAINED BREATHING APPARATUS	Use self-contained breathing apparatus (SCBA) during emergency operations, given SCBA and other personal protective equipment, so that the SCBA is correctly donned, the SCBA is correctly worn, controlled breathing techniques are used, emergency procedures are enacted if the SCBA fails, all low-air warnings are recognized, respiratory protection is not intentionally compromised, and hazardous areas are exited prior to air depletion.					
Cognitive:			281-303	54-74	40		
1. Describe the steps for donning personal protective equipment.							
2. Describe the steps for doffing personal protective equipment.							
3. Explain the conditions that require respiratory protection.							
4. Discuss the uses and limitation of SCBA.							
5. Identify each component of the SCBA.							
6. Identify various alarms (i.e., low air, no motion, etc.).							
7. Discuss breathing techniques while wearing the SCBA.							
8. Summarize the indications for and emergency procedures used with SCBA.							
9. Recognize the physical requirements of the SCBA wearer.							
Psychomotor: (skill sheet 1-3)							
1. Don a full ensemble of personal protective clothing and SCBA correctly and begin breathing air within two minutes.					20	15	
2. Demonstrate the ability to control breathing.						15	
3. Replace a depleted air cylinder with a full air cylinder.						15	
4. Demonstrate emergency procedures in the event of SCBA failure or air depletion including declaring a MAYDAY and activation of PASS device.						15	
Section Total					60	60	120

5.3 FIREGROUND OPERATIONS			IFSTA 6 th Edition pages	J&B 3 rd Edition pages	Cognitive (Lecture) Minutes	Practical Skills Minutes	Total Minutes
5.3.2	RESPONSE SAFETY	Respond on apparatus to an emergency scene, given personal protective clothing and other necessary personal protective equipment, so that the apparatus is correctly mounted and dismounted, seat belts are used while the vehicle is in motion, and other personal protective equipment is correctly used.					
Cognitive:							
1. Discuss the safety considerations for riding fire apparatus.			72, 88-89	30-33	15	15	
2. Outline the safety considerations for working in and around the fire station.			73-74		15		
3. Describe the safety practices to observe on the training ground.			76-78	30	15		
Section Total					45	15	60
5.3.3	SCENE CONTROL	Establish and operate in work areas at emergency scenes, given protective equipment, traffic and scene control devices, structure fire and roadway emergency scenes, traffic hazards and downed electrical wires, an assignment, and SOPs, so that procedures are followed, protective equipment is worn, protected work areas are established as directed using traffic and scene control devices, and the fire fighter performs assigned tasks in established, protected work areas.					
Cognitive:							
1. Explain the potential hazards involved in operating on emergency scenes including vehicle traffic, utilities, and environmental condition.							
2. Describe the proper procedures for dismounting the apparatus in traffic.			79-86	33-38	60		
3. Explain the procedures for safe operation at emergency scenes.							
4. Identify protective equipment available for member's safety at designated emergency and work zones.							
Section Total					60		60

5.3 FIREGROUND OPERATIONS			IFSTA 6 th Edition pages	J&B 3 rd Edition pages	Cognitive (Lecture) Minutes	Practical Skills Minutes	Total Minutes
5.3.4	FORCIBLE ENTRY	Force entry into a structure, given personal protective equipment, tools, and an assignment, so that the tools are used as designed, the barrier is removed, and the opening is in a safe condition and ready for entry.					
Cognitive:							
1. Explain the five classifications of construction types.			133, 144-148	174-178	20		
2. Describe the hazards specific to manufactured structures.			149-150	189-190	20		
3. List the main components of a building.			157-189	180-189	20		
Psychomotor:							
1. Demonstrate how to carry, operate, and use hand and power tools to force entry through doors, windows, and walls while using assorted methods and tools.						120	
Section Total					60	120	180
5.3.6	GROUND LADDERS	Set up ground ladders, given single and extension ladders, an assignment, and team members, so that hazards are assessed, the ladder is stable, the angle is correct for climbing, extension ladders are extended to the necessary height with the fly locked, the top is placed against a reliable structural component, and assignment is accomplished.					
Cognitive:							
1. Identify the parts of a ladder.			654-659	357-359	15		
2. List the types of ground ladders.			660-665	359-361	15		
3. Describe the hazards and safety considerations for using ground ladders.			666-688	366-371	30		
Psychomotor: (skill sheets 7-1, 7-3, 7-6)							
1. Demonstrate the ability to carry a ladder, raise a ladder, extend a ladder, lock the flies, ensure stability, climb and descend.			692-723	371-395		120	
Section Total					60	120	180
5.3.9	SEARCH & RESCUE	Conduct victim rescue given an assignment utilizing various drags and carries.					
Cognitive:							
1. Describe various victim removal methods including various drags and carries.			440-442	416-420	60		
Psychomotor: (skill sheet 10-2)							
1. Demonstrate an inline rescue drag utilizing FF SCBA or drag strap.			442-443	420-429		60	
2. Demonstrate an inline rescue drag utilizing a section of rope or webbing.							
3. Demonstrate a victim rescue utilizing an extremity carry, seat carry, or blanket drag method.							
Section Total					60	60	120

5.3 FIREGROUND OPERATIONS			IFSTA 6 th Edition pages	J&B 3 rd Edition pages	Cognitive (Lecture) Minutes	Practical Skills Minutes	Total Minutes		
5.3.10	HOSELINE DEPLOYMENT	Deploy a hoseline given a fire apparatus, hoseline, and an assignment.							
Cognitive:									
1. Discuss the principles of fire streams.			949-967	569-572	10				
2. Classify and discuss each type, design, operation, nozzle pressure effects, and flow capabilities of nozzles.			861-862	552-562	10				
3. Describe the precautions to be followed when advancing hose lines to a fire.			867-871						
4. Discuss the dangerous building conditions created by fire.			190-202	155	10				
5. Explain the principles of exposure protection.			1020-1022	690	10				
6. Describe the potential long-term consequences of exposure to products of combustion.			49-51	54-55, 146	10				
7. Describe the application of each size and type of attack line.			815-825	504-511	10				
Psychomotor: (Exterior only) (skill sheets 7-7, 12-1)									
1. Demonstrate the ability to prevent water hammer when shutting down nozzles.						10			
2. Operate various nozzles from closed to open positions and adjust stream patterns along with flow rates.						10			
3. Advance and operate charged and uncharged lines 1 ½ inch (38mm) diameter or larger hose line from apparatus.			875-879 908-917 930-937	538-541 555-562 571-572		50			
4. Demonstrate how to extend hose lines.						10			
5. Demonstrate how to replace burst hose sections.						20			
6. Demonstrate how to couple and uncouple various hand line connections.						10			
7. Perform hose carry.						10			
8. Section Total							60	120	180

5.3 FIREGROUND OPERATIONS			IFSTA 6 th Edition pages	J&B 3 rd Edition pages	Cognitive (Lecture) Minutes	Practical Skills Minutes	Total Minutes
5.3.11	Horizontal Ventilation	Perform horizontal ventilation on a structure, given an assignment, personal protective equipment, ventilation tools, equipment, and ladders, so that the ventilation openings are free of obstructions, tools are used as designed, ladders are correctly placed, ventilation devices are correctly placed, and the structure is cleared of smoke.					
Cognitive:							
1. Explain the principles, advantages, limitations, and effects of horizontal, mechanical, and hydraulic ventilation.			731-751	449-451 446-459	30		
2. Discuss safety considerations when ventilating a structure.			733-735		10		
3. Outline the concept of modern fire behavior and the UL studies on flow path as they pertain to fireground tactics that incorporate the latest fire dynamic research concepts. (show UL videos on flow path https://www.youtube.com/watch?v=lbq_WF_WVK0 , https://www.youtube.com/watch?v=X80yseC2fmQ)			238-250 252-253 732-741	146-156 158-161 443-447	60		
4. Describe the products of combustion found in a structure fire.			214-216	145	10		
5. Explain the signs, causes, effect, and prevention of backdrafts.			248-250	445-446	5		
6. Describe the relationship of oxygen concentration to life safety and fire growth.			733	432-445	5		
Psychomotor: (skill sheet 14-1)							
1. Demonstrate the ability to transport and operate ventilation tools, equipment, and ladders.						10	
2. Demonstrate the procedures for safely breaking window glass, door glass, and removing obstructions.				452-454		50	
3. Perform horizontal ventilation for a simulated fire (use of smoke machine or paper streamers is acceptable).			765-767	459		60	
Section Total					120	120	240
5.3.12	Vertical Ventilation	Perform vertical ventilation on a structure as part of a team, given an assignment, personal protective equipment, ground and roof ladders, and tools, so that ladders are positioned for ventilation, a specified opening is created, all ventilation barriers are removed, structural integrity is not compromised, products of combustion are released from the structure, and the team retreats from the area when ventilation is accomplished.					
Cognitive:							
1. Explain the basic indicators of potential collapse or roof failure.			195-201	463	30		
2. Describe the effects of construction type and elapsed time under fire conditions on structural integrity.					30		
Section Total					60		60

5.3 FIREGROUND OPERATIONS			IFSTA 6 th Edition pages	J&B 3 rd Edition pages	Cognitive (Lecture) Minutes	Practical Skills Minutes	Total Minutes
5.3.13	OVERHAUL	Overhaul a fire scene, given personal protective equipment, attack line, hand tools, a flashlight so that structural integrity is not compromised, all hidden fires are discovered, fire cause evidence is preserved, and the fire is extinguished.					
Cognitive:							
1. List the types of tools and methods used to expose hidden fires.				635-638	20		
2. Discuss the dangers associated with overhaul.				633	20		
3. List the reasons for protection of the fire scene.				633	20		
Section Total					60		60
5.3.14	SALVAGE	Conserve property as a member of a team, given salvage tools and equipment and an assignment, so that the building and its contents are protected from further damage.					
Cognitive:							
1. Discuss the purpose of property conservation and its value to the public.				616-617	5		
2. List the types of and uses for salvage covers.					10		
3. Discuss forcible entry issues related to salvage.					10		
4. Describe procedures for protecting possible areas of origin and potential evidence.					5		
Psychomotor:							
1. Demonstrate the ability to cluster furniture.						30	
2. Demonstrate steps to deploy covering materials.				623-632		20	
3. Demonstrate how to roll and fold salvage covers for reuse.						20	
4. Demonstrate methods to construct water chutes and catch-all's.						20	
Section Total					30	90	120

5.3 FIREGROUND OPERATIONS			IFSTA 6 th Edition pages	J&B 3 rd Edition pages	Cognitive (Lecture) Minutes	Practical Skills Minutes	Total Minutes
5.3.15	WATER SUPPLY	Connect a fire department pumper to a water supply as a member of a team, given supply or intake hose, hose tools, and a fire hydrant or static water source, so that connections are tight and water flow is unobstructed.					
Cognitive:							
1. Discuss loading and off-loading procedures for mobile water supply apparatus.			802-803	489-492	10		
2. Describe proper fire hydrant operation.			793-797	495-500	10		
3. Discuss suitable static water supply sources.			799-802	489-492	10		
4. Explain procedures, and protocols for connecting to various water sources.			799-802	489-492	10		
5. Hose appliances and tools			835-844	515-518	20		
Psychomotor:							
1. Connect supply hose from hydrant to pumper hose connections for forward and reverse lays.			805-807	524-525 529, 535-536		60	
2. Demonstrate steps to connect and place hard suction hose for drafting operation.			808-810	537		60	
Section Total					60	120	180
5.3.16	EXTINGUISHERS	Extinguish incipient Class A, Class B, and Class C fires, given a selection of portable fire extinguishers, so that the correct extinguisher is chosen, the fire is completely extinguished, and correct extinguisher-handling techniques are followed.					
Cognitive:							
1. List the classifications of fire.			340-342	200-202,	30		
2. Discuss the types of rating system for and the risk associated with each class of fire.			341-353	202-203 206-212			
3. Describe the operating methods of and limitations of portable extinguishers.			354-356	219-224			
Psychomotor:							
1. Select an appropriate extinguisher based on the size and type of fire.			351-355	219-224		90	
2. Demonstrate how to safely carry a portable extinguisher.			360-365	219-224			
3. Demonstrate how to safely approach a fire with a portable fire extinguisher.			360-365	219-224			
4. Extinguish an incipient Class A fire with a portable fire extinguisher (use of a fire extinguisher simulator is acceptable).			360-365	219-224			
Section Total					30	90	120

5.3 FIREGROUND OPERATIONS			IFSTA 6 th Edition pages	J&B 3 rd Edition pages	Cognitive (Lecture) Minutes	Practical Skills Minutes	Total Minutes
5.3.18	SCENE SAFETY	Turn off building utilities, given tools and an assignment, so that the assignment is safely completed.					
Cognitive:			1022- 1026	305-306	60		
1. List the properties, principles, and safety concerns for electricity, gas, and water system.							
2. Explain the methods for utility disconnect and associated dangers.							
3. Describe the use of required safety equipment.							
Section Total					60		60
5.3.20	ROPES AND KNOTS	Tie a knot appropriate for hoisting a tool, given personnel protective equipment, tools, ropes, and an assignment, so that the knots used are appropriate for hoisting tools securely and as directed.					
Cognitive:			373-376 385	261-265	5		
1. Identify the parts of a rope and the considerations when tying a knot.							
2. Explain the characteristics of knots commonly used in the fire service.							
3. Discuss hoisting safety considerations.							
4. Discuss knot types and usages.							
5. Describe the differences between life safety and utility rope.							
6. Explain the reasons for placing rope out of service.							
7. Describe hoisting methods for tools and equipment.							
Psychomotor:			410-416	273-288		60	
1. Demonstrate hoisting tools and equipment using ropes and the correct knot.							
Section Total					60	60	120
5.5.2	FIRE HOSE	Clean, inspect, and return fire hose to service, given washing equipment, water, detergent, tools, and replacement gaskets, so that damage is noted and corrected, the hose is clean, and the equipment is placed in a ready state for service.					
Cognitive:			825-835	512-514	30		
1. Discuss procedures for noting a defective hose and removing it from service, cleaning methods, and hose rolls and loads.							
Psychomotor:						30	
1. Demonstrate the ability to clean different types of hose.							
Section Total					30	30	60