

Courage to be Safe Module

NFPA 1001 Ref: 5.1

Current Overview: Classroom: Online

Practical: None

<https://www.fireherolearningnetwork.com/>

Recommendation: Classroom: Online

Practical: None

We are not recommending any changes to this program

Rationale for recommendation:

Foam and Flammable Liquids Module

NFPA 1001 Ref: 5.3.1; 5.3.3

Current Overview: Classroom: 4 hours

Practical: 8 hours

Flammable gas cylinder fire:

Group 1 of 6 will be divided into two equal groups. Each group will advance a 1 ¾" hand-line simultaneously under direct supervision of an instructor. Together they will cool the tank apply various techniques for water application and suppress the fire and operate the control valve.

Foam:

Group 2 of 6 will prepare a foam concentrate supply for use, assemble foam stream components, master various foam application techniques, and approach and retreat from spills as part of a coordinated team.

Group 3 of 6 will set up a master stream to disperse vapor cloud for a ruptured liquid propane line.

Recommendation: Classroom: Online (PFAS) to be included

Practical: 8 hours

Students will be divided into 4 groups of 6.

Flammable gas cylinder fire:

Group 1 of 6 will be divided into two equal groups. Each group will advance a 1 ¾" hand-line simultaneously under direct supervision of an instructor. Together they will cool the tank apply various techniques for water application, suppress the fire and operate the control valve.

Foam:

Group 2 of 6 will prepare a foam concentrate supply for use, assemble foam stream components, master various foam application techniques, and approach and retreat from spills as part of a coordinated team.

Group 3 of 6 will set up a master stream to disperse vapor cloud for a liquid propane leak.

Rationale for recommendation:

We are recommending moving the classroom to online and we are not recommending any changes to the current practical.

Assist Rescue Teams Module

NFPA 1001 Ref: 5.4.2

Current Overview: 32 hours of classroom and practical

We have been meeting the current standard with FFII rescue skills (ITRS) which is much higher than the current standard.

Recommendation: Classroom: online

Practical: 8 hour practical

Lab:

Students will be divided into groups. Instructors will layout tarps for each type of rescue team; Ice rescue, water, high angle, confined space, and trench. Each tarp will have equipment related to the topic. Instructors will provide a brief overview on the different equipment. Students will rotate to each section.

practical:

The day would start by reviewing knots and discussing anchor points. Than working with the students building a lowering and hauling system for non-technical rescues.

The second half of the day would be dividing the class in half and putting all of the pieces together in a few basic scenarios.

Rationale for recommendation:

By having an overview of the equipment students can identify and retrieve various types of rescue tools, help establish public barriers, and assist rescue teams as a member of the team when assigned.

While the 8 hours exceed the standard, we feel we have many fire departments asking for the Z system and hauling systems.

Fire Department Communication II Module

NFPA 1001 Ref: 5.2.1

Current Overview: Classroom: Online

Practical: None

Currently we do not have a practical for communication II

Recommendation: Classroom: Online

Practical: none

An incident report fillable form will be online for students to write an incident report and submit. The students will be provided a given scenario.

Rationale for recommendation:

The communication classroom is currently online which we recommend keeping communications online way and added an incident report for students to proof and added amendments as necessary.

Pre-Incident Planning and Fire Detection & Suppression Systems Module

NFPA 1001 Ref: 5.5.3

Current Overview: Classroom: 8 hour Lecture between two topic

Practical: None

Currently we do not have a practical for this skill

Recommendation: Classroom: Online

Practical: will be a project to be completed by end of course

Students will be assigned a project of a given occupancy. The occupancy we will standardize, provide written description, and photograph 3D. Students will need to develop a pre-incident plan of a given occupancy using prepared online forms. Students will need to include photos, sketch a site plan, document hazards, identify water sources, identify suppression & detection systems, and provide building dimensions.

Rationale for recommendation

Fire Prevention and Public Education Module

NFPA 1001 Ref: 5.5.1, 5.5.2

Current Overview: Classroom: 4 hour Lecture

Practical: None

Currently we do not have a practical.

Recommendation: Classroom: Online

Practical: 2 hour (will be a project)

Students will be divided into 6 groups of 4 to complete a project and present to their peers. Students will be given 10 minutes to present on one of the following assigned topics: EDITH, Stop, drop, and roll, Smoke Alarms, Kitchen fires, station tours, or knowing your firefighter. Each group will need to work together to prepare and document their presentation prior to presenting.

The second half of fire prevention each student will conduct a fire safety survey of their home or apartment. Students will need to complete prepared forms online and will communicate in writing their recommendation.

<http://www.usfa.fema.gov/prevention/outreach/fief/>

Rationale for recommendation:

A big part of fire prevention is presenting to the public. Having the students present to their peers in a professional manner will give them a better understanding of how to present without being an instructor.

Fire Cause and Determination II Module

NFPA 1001 Ref: 5.3.4

Current Overview: Classroom: 4 hours

Practical: None

Currently do not have a practical for this skill

Recommendation: Classroom: Online

Practical: 2 hour

Students will be divided in to groups to observe different possible causes of fire and will be given a few ways to preserve/protect the evidence.

A few different props will be built to show electrical fires, candle fires, etc..... the props will have burn patterns for students to observe.

Rationale for recommendation:

Vehicle Rescue Module

NFPA 1001 Ref: 5.4.1

Current Overview: Classroom: 4 hour classroom

Practical: 12 hours

4 hour lab

Students will be divided in to groups and rotate through the different stations. The lab stations are: review of hydraulic tools, and hand tool; review of anatomy of vehicles; review of how to use and assemble lifting air bags, and an air bag demo.

8 hour practical

Students are divided into 6 groups of 4 and assigned a vehicle for each. Each group will: stabilize the vehicle, force entry into a vehicle, remove doors, windshield and windows, remove steering wheel/column and roll a dash board

Recommendation: Classroom: Online (electric vehicles) included

Practical: 12 hours (4 hour lab and 8 hour practical)

4 hour lab

Students will be divided in to groups and rotate through the different stations. The lab stations are: review of hydraulic tools, and hand tool; review of anatomy of vehicles; review of how to use and assemble lifting air bags, and an air bag demo.

8 hour practical

Students are divided into 6 groups of 4 and assigned a vehicle for each. Each group will: stabilize the vehicle, force entry into a vehicle, remove doors, windshield and windows, remove steering wheel/column and roll a dash board.

Rationale for recommendation:

We are recommending moving the classroom to online and we are not recommending any changes to the current practical.

Advance Hose Module

NFPA 1001 Ref: From FFI Hose Module 5.5.5

Current Overview: Classroom: None

Practical: None

Currently these skills are in FFI

Recommendation: Classroom: Online

Practical: 8 hours

We have added the other hose loads from FFI. For fire suppression students need to choose the attack technique for the various levels of fire. With additional hose-loads the students will have several different choices.

- Review of FFI hose-load
- Pack Flat Hose Load
- Advance Flat Hose Load
- Pack Triple Layer hose Load
- Advance Triple Layer Hose Load
- Connecting to standpipes
- PM and testing hose

During afternoon students will put together the FFI hose skills and the additional skills they have learned with lots of repetitions.

Rationale for recommendation:

We are recommending moving the classroom to online and we have added the hours due to adding additional practical skills from FFI. Students also need more repetitions to become competent with the skills they are acquiring.

Fire Suppression II Module

(Combined Operations)

NFPA 1001 Ref: 5.1.1, 5.1.2, 5.2.2, 5.3.2

Current Overview: Classroom: 4 hour

Practical: 8 hour

Students will be divided into groups of 3. Students are assigned a task, two different groups will need to determine the hose-load and attack technique for various levels of fire, which will be given to the incident commander, for an attic, ground level, upper level or basement fire. One group will be assigned the task to extinguish a ground level or a basement fire and the second group will be assigned an attic or upper level fire.

Another group will need to select the type of tools for forcible entry. Group 3 will be assigned search and rescue task, which they need to determine the appropriate technique and if they need additional assistance. Group 4 will be assigned horizontal ventilation and the students will need to determine the correct equipment need to accomplish the task.

Recommendation: Classroom: Online

Practical: 16 hour

The Firefighter II student will need to make decisions on equipment used, type of attack, and hazards associated to the type of building fire.

Students will be divided into groups of 3. One student will be temporarily incident commander, the student will assign groups to tasks, assess building hazards, determine developing fire conditions and then transfer command to the lead instructor. Task assignments, fire development, and building hazards are based on the type of scenario given to that students.

Two different groups will need to determine the hose-load and attack technique for various levels of fire, which will be given to the incident commander, for an attic, ground level, upper level or basement fire. One group will be assigned the task to extinguish a ground level or a basement fire and the second group will be assigned an attic or upper level fire.

Group 3 will need to select the type of tools for forcible entry. Group 4 will be assigned search and rescue task, which they need to determine the appropriate technique and if they need additional assistance. Group 5 will be assigned horizontal ventilation and the students will need to determine the correct equipment need to accomplish the task.

Rationale for recommendation: