

Firefighting 2

MC-STCW4

Fall 2024

Class Syllabus

Instructors:

Capt. Peter Burke

Location: Massachusetts Fire
Academy, Bridgewater Campus



Course Description

Advanced Marine Fire Fighting (AFF) Part II comprises is a 2-hour lecture and exam coupled with a single day (8 hours) of firefighting at the Massachusetts Fire Academy's Bridgewater campus. The purpose of the course is to solidify the fire extinguishment knowledge and skills gained in Advanced Marine Fire Fighting Part I, and add to it tactical command, control, coordination, and communication.

Learning Objectives

Demonstrate knowledge and understanding of

- How to organize a fire drill
- How to assess a situation and make an appropriate plan of attack
- How to order necessary system shutdowns and notifications
- How to deploy additional fire parties to confine and extinguish the fire, rescue, remove, and treat casualties, and overhaul
- How to enter a space below grade in which the space is on fire and utilize the entrance as the only means of ventilation
- How to command a hose line and function as team leader
- How to move 200 ft. of hose on multiple levels to extinguish a fire
- How to use water fog to move smoke through a compartment or space
- How to use SCBA while in a space involved in fire
- How to ascertain that their air supply is adequate for the attack of all fires and that they can service their air supply without assistance from the staff
- How to search a fire compartment while a fire is burning and locate and rescue a mannequin and remove it from the compartment

Demonstrate the ability to

- Extinguish an engine room fire
- Self-rescue while fire fighting
- Search and rescue

STCW Knowledge and Proficiency Requirements

Completion of Advanced Marine Fire Fighting, Parts 1 and 2, will satisfy Section A-VI/1 and Table A-VI/1-2 of the STCW Code and 46 CFR 10.205(1)(2) and 10.205(g), 10.205(g)(1) for a license, as well as 46 CFR 13.113(d)(1)(i)(a), 13.113(e)(1)(i)(a) or (b), 13.201(e), 13.301(e), 13.401(d), 13.501(e) for a tankerman endorsement.

Departure and Class Hours

Please plan to be ready to depart with your gear at 0730 on your assigned days. From there, the daily schedule will look like this:

0715 -- Meet at vehicle and depart
0800 -- Arrive at Mass Fire's Bridgewater campus
0800--1600 --Participate in firefighting training (8 hours)
1600 -- Return travel to MMA
1645 -- Arrive on campus for dinner

Transportation

Travel to Bridgewater will be by Bucc Van, which you will pick up at the 3rd Co circle. You should receive instructions on the Bucc van procedure under separate cover. Allow plenty of travel time from your location to Bridgewater when you are driving your own vehicle. As an MMA cadet, you are required to drive in a safe manner that reflects concern for safety and courtesy towards the public. Wear your seatbelt, observe posted speed limits, and all traffic signals.

Dress Code

Proper dress and PPE are always required for all firefighting evolutions conducted with MFA. Mass Fire requires students to wear PT gear under their blue boiler suit with PPE gear to each class. For some class periods, students will wear the PT gear/boiler suit combination, while at others students will wear turn-out gear over PT gear. Cadets are encouraged to bring an additional set of clothes to wear on the return trip home, as boiler suits and or PT gear worn during class will be

wet and dirty. Due to the time of year, we also encourage additional warm clothing such as a stocking cap, extra socks, gloves and a sweatshirt/jacket.

Turnout Gear

Turnout gear and SCBAs will be issued at Bridgewater.

Food

Meals will not be included in the practicum. You are responsible for and bringing your own snacks and drinks (including water) for consumption as needed. All cadets are encouraged to bring their own water bottles to refill throughout the day, especially while doing live fire evolutions.

Attendance

Attendance at every class session is required for a passing grade. Further, training topics and exercises are built sequentially from basic to advanced levels, combining new skills with previously learned ones. Students **MUST**, therefore, attend all classes *in the order* that they are presented above. If you anticipate being absent from class for any reason, you must arrange to attend the other section of that topic. Be aware that if you are adding yourself to a different class session, you will be responsible for your own transportation. Any cadet that is tardy will forfeit the class and need to make it up. No exceptions will be made. In the event of a true emergency or illness, please contact the Mariner Credentialing office immediately.

Grading

This is a pass/fail class based on the stated learning requirements and demonstration of knowledge by passing the test. A grade of 70% or higher is considered passing.

Cheating Policy

To qualify for grading and credit for an assignment or exam, a student must present original work that they have completed individually without assistance from classmates or others.

Accommodations

Please inform your instructor by email if you require additional accommodations.

Office Hours

Tuesdays and Thursdays from 1300-1500 in room HA 204B.

Instructors

Capt. Peter Burke, Chief, Hyannis Fire Department
Massachusetts Fire Academy, Coordinator for Massachusetts Maritime Academy
Fire Program

Coordinator

CDR Michael Mulkern
mmulkern@maritime.edu
508-830-5079