Program of Instruction
Course Syllabus

Course Title: Fire Attack Suppression Techniques (FAST)

Course Duration: 40 Hours

Program: Firefighting

Course Prerequisites: Member of a recognized Fire Department or Fire Brigade. This course is intended for experienced firefighters with a minimum of three (3) years with a fire department or have Basic Operations Firefighter/NFPA Firefighter I certification. A copy of the documentation verifying three (3) years of experience, or Basic Operations Firefighter/NFPA Firefighter I, may be required from the applicant's Fire Chief or Training Officer.

Course Description: The F.A.S.T. course is designed for those firefighters seeking to advance their basic skills training or for those seeking additional live firefighting experience. The course will emphasize advancing proficiency in hose and ladder handling, forcible entry, SCBA, search and rescue, structural fire attack, ventilation, and stream operations. Training responses and acquired structures will be utilized to provide a challenging learning environment.

Course Requirements and/or Recommendations: These can be divided into three categories: those completed prior to arriving in class (Pre-Course Work), those completed during class, such as homework assignments and quizzes (Course Work), and requirements completed after class but prior to receiving a certificate of completion. (Post-Course Work)

Summary of Directions

Pre-Course Work: N/A

Course Work: Attend lectures and participate in all drills/scenarios.

Post-Course Work: N/A
Course Policies:

Attendance Policy: IFSI requires students to attend (100%) or make up all course content that leads to certification. Students are expected to attend on time and to remain in class for the duration of the course. Students MUST COMPLETE all portions of a certification course, both classroom and practical, to be eligible to receive their certification.

If a student misses any portion of class with an accumulated absence of 20% or less of scheduled class time, it will be the student’s responsibility to arrange the make-up of the missed course content with the instructor(s) or program manager. The student must make up the specific course content that s/he missed, not just the hours. Make-ups are limited to 20% of scheduled class time. Make-ups must be documented on the class roster. If a student’s absence is greater than 20% refer to “True Emergences” section of the IFSI Examination Policy.

Safety Policy: Students shall understand and follow all instructions pertaining to operational safety, as stated by instructors or as written in course materials. Instructors and students shall be mindful of safety at all times. Conduct judged to be unsafe shall be grounds for dismissal from the course.

Academic Integrity Policy: IFSI has the responsibility for maintaining academic integrity so as to protect the quality of the education provided through its courses, and to protect those who depend upon our integrity. It is the responsibility of the student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions. Any violation of the code of conduct is grounds for immediate dismissal from the course.

American Disabilities Act: As guaranteed in the Vocational Rehabilitation Act and in the American Disabilities Act, if any student needs special accommodations they are to notify their instructor and provide documentation as soon as possible so arrangements can be made to provide for the student’s needs. If arrangements cannot be made at the class site, the student will test at an alternative time and place where the special accommodations can be made.
Course Content:

Module: 1
Title: Building Construction
**Terminal Learning Objective:** At the conclusion of this module, the student will identify the components and hazard associated with all five types of building construction.

Module: 2
Title: Fire Behavior
**Terminal Learning Objective:** At the conclusion of this module, the student will explain the effects of fire behavior and how it relates to fire ground operations.

Module: 3
Title: SCBA Emergencies
**Terminal Learning Objective:** At the conclusion of this module, the student will demonstrate methods for mitigating a SCBA emergency.

Module: 4
Title: SCBA Confidence Course
**Terminal Learning Objective:** At the conclusion of this module, the student will demonstrate proper techniques to successfully maneuver through a confined area.

Module: 5
Title: Buddy Breathing
**Terminal Learning Objective:** At the conclusion of this module, the student will demonstrate the proper techniques to mitigate a low air emergency.

Module: 6
Title: Moving Victims
**Terminal Learning Objective:** At the conclusion of this module, the student will demonstrate the proper techniques for moving civilian victims.

Module: 7
Title: Nozzle Demonstration
**Terminal Learning Objective:** At the conclusion of this module, the student will identify the importance of proper use of smooth bore and fog stream nozzles.

Module: 8
Title: Search
**Terminal Learning Objective:** At the conclusion of this module, the student will explain the principles of and demonstrate the proper way to conduct a search.
Module: 9
Title: Forcible Entry
Terminal Learning Objective: At the conclusion of this module, the student will explain the principles of and demonstrate the procedures of forcible entry.

Module: 10
Title: Single Family & Tax Payer Search
Terminal Learning Objective: At the conclusion of this module, the student will demonstrate the proper techniques to conduct search operations in a single family and tax payer type building.

Module: 11
Title: Hand Can Drill
Terminal Learning Objective: At the conclusion of this module, the student will identify the advantages and limitations of a hand can.

Module: 12
Title: Engine Company Operations
Terminal Learning Objective: At the conclusion of this module, the student will understand and demonstrate the proper responsibilities as a member of an engine company

Module: 13
Title: Truck Company Operations
Terminal Learning Objective: At the conclusion of this module, the student will understand and demonstrate the proper responsibilities as a member of a Truck Company
Reference List:

Basic Firefighter/NFPA Firefighter I Academy – Instructor Manual, Version 5. (January 2013). Illinois Fire Service Institute, Board of Trustees, University of Illinois


NFPA 1001, Standard for Professional Firefighter Qualifications, 2013 Ed.


Truck Company Operations – Instructor Manual. (October 2003). Illinois Fire Service Institute, Board of Trustees, University of Illinois
## Course Schedule

### DAY ONE

<table>
<thead>
<tr>
<th>Event</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module 1 – Building Construction</td>
<td>1 hour</td>
</tr>
<tr>
<td>Module 2 – Fire Behavior</td>
<td>1 hour</td>
</tr>
<tr>
<td>Drill 3.1 – SCBA Emergencies</td>
<td>2 hours</td>
</tr>
<tr>
<td><strong>Lunch</strong></td>
<td></td>
</tr>
<tr>
<td>Drill 4.1 – SCBA Confidence Course</td>
<td>1 hour</td>
</tr>
<tr>
<td>Drill 5.1 – Buddy Breathing</td>
<td>1 hour</td>
</tr>
<tr>
<td>Drill 6.1 – Moving Victims</td>
<td>1 hour</td>
</tr>
<tr>
<td>Drill 7.1 – Nozzle Demonstration</td>
<td>1 hour</td>
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</tbody>
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### DAY TWO

<table>
<thead>
<tr>
<th>Event</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>Module 8 - Search</td>
<td>1 hour</td>
</tr>
<tr>
<td>Module 9 – Forcible Entry</td>
<td>1 hour</td>
</tr>
<tr>
<td>Drill 8.4 – Search</td>
<td>40 minutes</td>
</tr>
<tr>
<td>Drill 9.11 - Forcible Entry (Thru the Locks)</td>
<td>40 minutes</td>
</tr>
<tr>
<td>Drill 9.14 - Forcible Entry (Bar and Hammer)</td>
<td>40 minutes</td>
</tr>
<tr>
<td><strong>Lunch</strong></td>
<td></td>
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<tr>
<td>Event</td>
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<tr>
<td>Drill 9.17 - Forcible Entry (Power saws)</td>
<td>1 hour</td>
</tr>
<tr>
<td>Drill 9.21 - Forcible Entry (Torches)</td>
<td>1 hour</td>
</tr>
<tr>
<td>Drill 10.1 - Single Family Search</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Drill 10.2 – Tax Payer Search</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Drill 11.1 - Hand Can</td>
<td>1 hour</td>
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</tbody>
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**DAY THREE**

<table>
<thead>
<tr>
<th>Event</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>Module 12 – Engine Company Operations</td>
<td>2 hours</td>
</tr>
<tr>
<td>Drill 12.17 - Lead Outs</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Drill 12.18 - Finish Loads</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Drill 12.19 - High Rise Operations</td>
<td>1 hour</td>
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</tbody>
</table>

**Lunch**

<table>
<thead>
<tr>
<th>Event</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill 12.20 - 2 ½” Hose Line Lead outs</td>
<td>1 hour</td>
</tr>
<tr>
<td>Drill 12.21 - Hose Advancement</td>
<td>1 hour</td>
</tr>
<tr>
<td>Scenario 1 - Basement Fire in a High Rise</td>
<td>2 hours</td>
</tr>
</tbody>
</table>
DAY FOUR

Module 13 – Truck Company Operations 2 hours
Drill 13.20 - Peak Roof 1 hour
Drill 13.23 - Flat Roof 1 hour

Lunch
Drill 13.25 - Vent, Enter, Search 1 hour
Drill 13.26 - Paxton Drill 1 hour
Scenario 2 – Taxpayer Final Practical 2 hours

DAY FIVE

Scenario 3 - High Rise Final Practical 8 hours