



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
LANSING

ORLENE HAWKS
DIRECTOR

AGENDA
MICHIGAN FIRE FIGHTERS TRAINING COUNCIL REGULAR MEETING

Delta Township Fire Department, Station #1
811 N. Canal Road, Lansing, MI 48917
Tuesday, June 13, 2023
1:30 pm

- | | | |
|-------|--|------------------------------|
| I. | Call to Order, Moment of Silence, and Determination of Quorum | Chairperson Stokes |
| II. | Approval of Agenda | Chairperson Stokes |
| III. | Approval of Minutes: April 11, 2023 Regular Meeting | Chairperson Stokes |
| IV. | Communications | |
| V. | State Fire Marshal's Report | Fire Marshal Sehlmeyer |
| VI. | Curriculum Committee Update | Councilperson Blomstrom |
| VII. | Old Business: | |
| | a. Q Course Applications: | |
| | 1. ASIST (Applied Suicide Intervention Skills Training) | |
| | (FMQ23-017) Tabled April 11, 2023 – Motion to Approve | Lisa Clavier and Denise Shea |
| | 2. Live Fire Instruction (FMQ23-018) Tabled April 11, 2023 – | |
| | Motion to Dismiss | Curtis Walters & Dan Kreft |
| | b. ICS 300 & 400 | Fire Marshal Sehlmeyer |
| VIII. | New Business: | |
| | a. Q Course Catalog Update | Councilperson Feichtner |
| | b. Revisions to the 2023 MFFTC Meeting Schedule | Councilperson Svoboda |
| | c. Q Course Applications: | |
| | 1. LCC Basic Irons (FMQ23-020) | Timothy Baker |
| | 2. Fire/Rescue 1 Academy (FMQ23-021) | Robert Ginther |
| | 3. Mitigating New Vehicle Technology Extractions and Electric Vehicle Fire Challenges (FMQ23-022) | Aaron Heller |
| | 4. Managing Rural Water Supply (FMQ23-023) | Eric Abbott & Ted Lilley |
| | 5. Fire Ground Decision Making: Fire Behavior and Thermal Imaging 2 Hour Course (FMQ23-024) | Andrew Bezenah |
| | 6. Fire Ground Decision Making: Fire Behavior and Thermal Imaging 4 Hour Course (FMQ23-025) | Andrew Bezenah |
| | 7. Fire Ground Decision Making: Fire Behavior and Thermal Imaging 8 Hour Course (FMQ23-026) | Andrew Bezenah |
| | 8. Fire Ground Decision Making: Fire Behavior and Thermal Imaging 16 Hour Course (FMQ23-027) | Andrew Bezenah |
| IX. | Public Comment | |
| X. | Council Comment | |

XI. Adjournment

Next Meeting:

Tuesday, August 8, 2023 at 1:30 pm

Detroit Public Safety Headquarters – 3rd Floor, Skylar Conference Room - 1301 3rd Street,
Detroit, MI 48226

Agenda Items Due:

5:00 pm on Tuesday, July 25, 2023



GRETCHEN WHITMER
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STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
LANSING

ORLENE HAWKS
DIRECTOR

MINUTES
MICHIGAN FIRE FIGHTERS TRAINING COUNCIL REGULAR MEETING

Suburban Collection Showplace – Granite Conference Room
46100 Grand River Avenue, Novi, MI 48374
Tuesday, April 11, 2023
1:30 pm

MEMBERS PRESENT:

Kevin Beeson, Michigan Townships Association (joined at 1:40pm)
Brian Blomstrom, Michigan Fire Service Instructors Association
Kurt Corradi, Michigan Association of Fire Chiefs
David Feichtner, Michigan Association of Fire Chiefs
Kevin Sehlmeier, State Fire Marshal, Ex-officio Member
Joseph Schehr, Michigan Professional Firefighters Union
Robert Stokes, Chairperson, Nominee of the State Fire Marshal
Steve Richardson, Michigan State Firemen's Association
Kyle Svoboda, Vice Chairperson, Michigan Fire Inspectors Society

MEMBERS ABSENT:

None

BUREAU OF FIRE SERVICES STAFF PRESENT:

Macie Smith, Department Technician, Fire Fighter Training Division, Recording Secretary
Hollie Metts, Assistant to the State Fire Marshal
Aileen Pettinger, Region 2 Training Chief, Fire Fighter Training Division
Liam Carroll, Certification Chief, Fire Fighter Training Division
Mauricio Barrera, Public Assembly Fire Safety Inspector

OTHERS IN ATTENDANCE:

Nicholas George, Highland Township Fire Department
Cameron Pichan, Detroit Fire Department
Andrew Box, Ann Arbor Fire Department
Robert Jennison, Livonia Fire Department
Greg Janik, Saugatuck Township Fire District
Raymond Ahonen, Madison Heights Fire Department
Justin Graves, Southgate Fire Department
Jeff Niemann, Southgate Fire Department
Amy Goan, Milford Township Fire Department
Thomas Moore, Milford Township Fire Department
Chad Tackett, Texas Charter Township Fire Department
Wendy Galbreath, Michigan State Police, Hazmat Training Unit
Michael Galloner, Bangor Township Fire Department

Daryl Amrozowicz, Lee Township Fire Department
Adam Massingill, Auburn Hills Fire Department
Trevin Robinson, Auburn Hills Fire Department
Chris Koontz, Cadillac Fire Department
Adam Ottjepka, Cadillac Fire Department
Larry Gambotto II, Rochester Hills Fire Department
Aric Massingill, Adrian Fire Department
Bill Forbush, National Fallen Firefighters Foundation/Everyone Goes Home State Advocate
Robert Arbin, Chelsea Fire Authority
David McNally II, VanBuren Township Fire Department
Dawn M Carson, East Lansing Fire Department
Cody Dorland, Coleman Community Fire Department
Joseph Grutza, Retired
Don Drent, Northeast Igham Emergency Service Authority
Martin Erskin, Marshall Fire Department
Jeffry Latkowski, West Bloomfield Fire Department
Andy Bezenah, Retired
Chris Damvelt, Harrison Community Fire Department
John B Martin, Novi Fire Department
Jeff Johnson, Novi Fire Department
Greg Mowbray, Brighton Fire Authority
Mark Cleveland, Egelston Township Fire Department
Jamil Czubenko, Howell Fire Department
Steven McKellar, Plainfield Township Fire Department
David Pelton, Walker Fire Department
Samuel Peterson, Oakfield Township Fire Department
Shannon Witherell, Lowell Fire Department
Corwin Velzen, Lowell Fire Department
Robert Ginther, Beverly Hills Department of Public Safety
Steven Mojzuk, Courtland Fire Department
Glen Goodson, Detroit Fire Department
Thea Dornbush, Muskegon Township Fire Department
Patrick Parker, Grand Traverse Metro Fire Department
Matthew Bartalino, Birmingham Fire Department
Mike Keefe, Allendale Fire Department
Kurt Gernaat, Blendon Township Fire Department
Josh Mosher, Midland Fire Department
Matt DeRousse, Bloomfield Township Fire Department
Michael Cousins, Thomas Township Fire Department
Greg Flynn, West Bloomfield Fire Department
Craig Miller, Chesterfield Fire Department

I. CALL TO ORDER AND DETERMINATION OF QUORUM:

Chairperson Stokes called the regular meeting to order at 1:29 pm. A moment of silence was observed for Ethan M. Quillen, Paw Paw Fire Department and Ricky A. Hill Jr, Flint Fire Department. Roll call was taken by recording secretary, Macie Smith. A quorum was present.

II. REVIEW AND APPROVAL OF AGENDA:

23-04-01

A **MOTION** was made by **Councilperson Corradi** and seconded by **Councilperson Blomstrom** to approve the April 11, 2023 regular meeting agenda as presented. **MOTION CARRIED.**

III. REVIEW AND APPROVAL OF MINUTES:

23-04-02

A **MOTION** was made by **Councilperson Feichtner** and seconded by **Councilperson Schehr** to approve the February 14, 2023 regular meeting minutes as presented. **MOTION CARRIED.**

IV. COMMUNICATIONS:

None

V. STATE FIRE MARSHAL'S REPORT:

- a) **FY23 Course Summary:** Council was provided with an updated course summary in their meeting packet. Fire Marshal Sehlmeier gave an overview of the course summary. He noted that various dates and locations have been set up through July 2023 solely dedicated to Retest Dates. Anyone who needs to take a retest on any written exam can register to take the exam at any of these locations on those dates.
- b) **Fire Instructor III:** Fire Marshal Sehlmeier shared the that the Fire Instructor III survey closed on February 23, 2023. The bureau received over 60 topic suggestions to use for the Fire Instructor III course. During the Fire Instructor III course students will be required to create a four hour course on a topic they have selected from a list that will be provided.
- c) **FY23 Courses Funded with Returned Fireworks Funds:** Fire Marshal Sehlmeier advised that on January 1, 2023, all unencumbered fireworks safety funds were transferred back to the MFFTC's account. To date, the bureau has used the returned unencumbered funding (\$68,597.95) to fund a total of 20 courses (15 certification for \$58,247.95 and 5 mental health courses for \$10,350) as directed by council (Motion #22-12-05). A breakdown of the FY23 courses funded with returned fireworks funds was provided to council in their meeting packet.
- d) **Clarification re: Instructor I & Instructor II Practical Exam Retests:** Fire Marshal Sehlmeier would like to clarify that the maximum number of students allowed to test for an Instructor I or Instructor II course would be 16 students. If a course only has 15 students, then one retest student would be allowed in. Instructor I and Instructor II students can take retests on an exam date for either course. Therefore, an Instructor I can retest at an Instructor II exam and vice versa.
- e) **County Training Committees:**
 - i. **Annual Elections:** Fire Marshal Sehlmeier shared that all County Training Committees (CTCs) annual election to select a chairperson were due on April 1, 2023. He also noted the selected chairperson will serve a one-year term beginning April 1, 2023 through March 31, 2024. The Bureau has not received a CTC Data Form (BFS-240) back from every county. These counties who have not reported the CTC chairperson will not receive the Annual Training Needs Survey that must be completed by June 15th. If the survey is not completed, that county will not be eligible for FY24 funding.
- f) **SMOKE Enhancements:** Fire Marshal Sehlmeier shared that staff continue to work on improvements in the SMOKE system. The most recent SMOKE enhancements include fixes for the exam eligible letter for Fire Officer I-III retest students, a notification to the student that

grades have been uploaded to SMOKE and the ability for the SMOKE system to stop Challengers. Course closure/finalization reminders to course managers are going live this coming weekend April 15, 2023.

- g) **Fatal Fire Update:** As of April 11, 2023, there were 43 fire deaths in 40 fires. This is a 0% decrease in deaths and a 19% increase in fires based on the 2017-2022 average. Fire Marshal Sehlmeyer introduced Mauricio Barrera as the new Public Assembly Fire Safety Inspector.
- h) **NFIRS Non-Reporting Departments:** Fire Marshal Sehlmeyer advised there were 201 departments that did not submit fire reports in the 1st Quarter of 2023 (Jan-March). These non-reporting departments are not eligible to use Fireworks Safety Fees for training until they become compliant.
- i) **Last Comment:** Fire Marshal Sehlmeyer closed with letting council know to add “Courage to be Safe” to the curriculum it would require a Legislative update to Act 291. “Courage to be Safe” is not viewed as in-service, so it cannot be tied to a certification course without a change in Legislation.

VI. CURRICULUM COMMITTEE UPDATE:

Councilperson Blomstrom shared no meetings scheduled at this time.

VII. OLD BUSINESS:

a. ICS 300 & 400:

- a. **ICS 300 & 400 Discussion:** To take courses at a national level a student must have a FEMA Certificate which can only come from FEMA Representative. Michigan State Police would be the FEMA Representative in Michigan. Fire Marshal Sehlmeyer shared there may be an opportunity for students to register online through the National Fire Academy. ICS 300 & 400 Discussion will remain under Old Business for the June 13, 2023 meeting.

b. “Courage to be Safe”:

- a. **Courage To Be Safe (CTBS) Overview:** Bill Forbush, NFFF EGH Michigan State Lead Advocate, acknowledged he is aware that without legislative change “Courage to Be Safe” cannot be mandated to be added to Fire Fighter I. Further information was shared on the Life Safety Initiatives. He is asking that the different Fire Groups get behind the initiative to have a change in Legislation that would allow council to add “Course to be Safe” to the Fire Fighter I curriculum.

- c. **Computer-Based Testing:** Fire Marshal Sehlmeyer stated the bureau continues to look at options. The bureau continues to look into the possibility of doing online testing through SMOKE. Fire Marshall Sehlmeyer asked that Computer-Based Testing be removed from Old Business, and he will report out under the State Fire Marshal’s Report.

VIII. NEW BUSINESS:

a. Q Course Applications:

ASIST (Applied Suicide Intervention Skills Training) **(FMQ23-017)**
Instructor: Lisa Clavier and Denise Shea / Phone: 231-675-5047
Live Fire Instruction **(FMQ23-018)**
Instructor: Curtis Walters / Phone: 231-313-6293
23-04-03

A **MOTION** was made by **Vice Chairperson Svoboda** and seconded by **Councilperson Corradi** to **table** Q Course applications **FMQ23-017 and FMQ23-018 until the next meeting on June 13** due to incomplete applications. **MOTION CARRIED.**

Fire Behavior and Fire Dynamics: Understanding Fire, Ventilation, and the Structure to Operate Safer and Smarter (**FMQ23-016**)

Instructors: Brad Drury / Phone: 517-290-0297

Risk-Based Response to Battery Emergencies (**FMQ23-019**)

Instructor: Hazard3 Staff / Phone: 248-238-8509

23-04-04

A **MOTION** was made by **Vice Chairperson Svoboda** and seconded by **Councilperson Blomstrom** to **approve** Q Course applications **FMQ23-016 and FMQ23-019. MOTION CARRIED.**

IX. PUBLIC COMMENT:

None

X. COUNCIL COMMENT:

- **Councilperson Feichtner** asked that 'Discussion on how we review the Current Library of Q-Courses' be added to the agenda for the next Michigan Fire Fighters Training Council Meeting.
- **Councilperson Corradi** would like to thank Chief Menifee and Linda for accommodating the Michigan Fire Fighters Training Council Meeting at the Midwest Fire Rescue Expo.
- **Chairperson Stokes** asked that everyone in attendance at the meeting to please make sure to sign the Guest Sign-In sheet before leaving.

XI. ADJOURNMENT:

23-04-05

A **MOTION** was made by **Councilperson Richardson** and seconded by **Councilperson Blomstrom** to **adjourn** the meeting. **MOTION CARRIED.** The meeting adjourned at 2:31 pm.

APPROVED:



"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, Fire Fighter Training Division
P.O. Box 30700 Lansing, MI 48909

FMQ23-017

Email: LARA-BFS-SMOKE@MICHIGAN.GOV

To add a seminar/course/workshop to be credentialed in SMOKE, submit this application and all required documents to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV. The information provided will be reviewed and if complete will be forwarded to the Michigan Fire Fighters Training Council (MFFTC) for curriculum consideration at the next scheduled MFFTC meeting. All applications must be received by the close of business two weeks before the scheduled MFFTC meeting date to be included on the agenda.

SECTION I

Name of Instructor:

Instructor's Street Address:

City:

State:

Zip Code:

Instructor's Cell Phone Number:

Instructor's Email:

SECTION II

Name of Course/Seminar/Workshop:

Flyer Attached:

Course Overview Attached:
Goals, Objectives, Course Outline

Instructor(s) Biography Attached:

Must provide a brief course description (100 words or less):

Must list the applicable NFPA standard(s):

Student Capacity:

Total Hours of Training:

Total Cost:

SECTION III

Instructor's Signature:

Lisa Clavier

Date:

BFS USE ONLY

Date Approved by MFFTC:

"Q" Course Number Assigned:

Date Course Catalog Updated:

ASIST :

The Applied Suicide Intervention Skills Training (ASIST) workshop is for caregivers who want to feel more comfortable, confident and competent in helping to prevent the immediate risk of suicide. Over a million caregivers have received this training. Just as "CPR" skills make physical first aid possible, training in suicide intervention develops the skills needed for life assisting suicide first aid. ASIST is a two-day intensive, interactive and practice-dominated course designed to help caregivers learn how to intervene to prevent the immediate risk of suicide and provide safety-for-now.

The workshop is designed for all caregivers. This includes professionals, paraprofessionals and lay people. It is suitable for mental health professionals, nurses, physicians, pharmacists, teachers, counselors, youth workers, police and correctional staff, school support staff, clergy, and community volunteers. In ASIST, sophisticated helping concepts are translated into generic language so that different types of caregivers can learn together. ASIST is the most widely used suicide intervention training program in the world. Additional information is available online at <http://www.livingworks.net>.

Course objectives:

The goals and objectives are listed for each section of the workshop

Preparing Section

The goal of this section is to prepare participants for the rest of the workshop.

By completing this section, participants will be able to:

1. Understand that the focus of this workshop is life assisting, suicide first aid
2. Describe the need for caregivers to be able to do life assisting interventions
3. Describe why ASIST is a good way for caregivers to learn life assisting
4. Describe the goals and objectives of the workshop
5. Be aware of the group's experiences with suicide
6. Know what they need to do to help make the workshop successful for everyone

Connecting Section

The goal of this section is to provide a chance for participants to learn how their feelings, experiences, and beliefs—their attitudes—might affect them in suicide first aid.

By completing this section, participants will be able to:

1. Recognize how feelings about and personal experiences with suicide might impact them in suicide first aid
2. Identify beliefs that might assist them to be direct and comfortable in suicide situations

3. Identify beliefs that might help them to be more flexible in meeting a person at risk's need for guidance
4. Talk more openly about their attitudes toward suicide and life assisting, suicide first aid.

Understanding Section

The goal of this section is to understand how PAL meets the life assisting needs of persons at risk.

By completing this section, participants will be able to:

1. Recognize PAL as a tool for meeting the life assisting needs of persons at risk
2. Name the six needs of a person at risk and the basic caregiver tasks of PAL that address those needs
3. Understand how to use PAL's Safety Framework

Assisting Section

The goal of this section is to help participants feel more willing, ready and able to assist a person at risk.

By completing this section, participants will be able to:

1. Appreciate PAL as a tool that helps participants combine their attitudes, knowledge and intervention skills to provide suicide first aid
2. Understand how PAL works in practice
3. Use PAL to help a person at risk of suicide through simulations

Working Together

The goal of this section is to have participants appreciate the value of improving their community's resources and the ways in which those resources work together.

By completing this section, participants will be able to:

1. Explore how their role choices might impact helping a person at risk
2. Experience how community resources might benefit a person at risk
3. Recognize the value of personal support networks and other self-care ideas for caregivers.

Agenda:

Day 1 (6.6 hours total)

8-8:30 Check in

8:30-10am (1.5 hours)

- Why First Aid?
- Why ASIST Training is needed?
- About the participants
- About the Workshop
- About Connecting

10 Minute break

10:10am-12:30pm (2.20 hours)

- Review the goals for this section
- Connecting feelings and experiences with suicide and helping
- Introductions
- Connecting attitudes with suicide and helping

1 hour lunch break

1:30pm-2:30pm (1 hour)

- Introductions to Understanding
- Exploring Invitations
- Asking about thoughts of suicide
- Understanding Choices Phase

10 minute break

2:40-3:40pm (1 hour)

- Hear their story
- Supporting turning to safety
- Assisting life phase

10 minute break

3:50-4:30pm (.9 hour)

- Develop SafePlan
- Confirm Actions
- Concluding understanding

Day 2 (7 hours total)

8-8:30am Check in

8:30-9:30am (1.5 hours)

- Starting the ASSISTing section
- PAL in action and show it begins with you

20 minute break

9:50-11:35am (1.75 hours)

- Transition to Practice
- CONNECTING simulation
- Support turning to Safety simulation
- PAL simulation

- Safety First simulation
- Whole group closing: Workgroup Practice Introduction
- 10 minute break
- 11:45-12:30pm (.85 hours)
- Workgroup practice
- 1 hour lunch break
- 1:30-2:30pm (1 hour)
- Workgroup practice
- 10 minute break
- 2:40-3:40pm (1 hour)
- Workgroup practice
- 10 minute break
- 3:50-4:30pm (.9 hour)
- Relationships with persons at risk
- Community relationships discussion
- Closing the workshop
- Formal end

Certified Trainers:

Lisa Clavier is a founder and serves as President of Kiersten's Ride, a non-profit for suicide awareness, education and prevention in Northern Lower Michigan. Lisa serves as Co-Chair of the Charlevoix/Emmet County Suicide Prevention Coalition. Clavier provides direct outreach and facilitates a Survivors of a Suicide Loss support group. She also serves as Executive Director of the Charlevoix and Emmet County Child Abuse Prevention and Education Council. Lisa has received certification in Yellow Ribbon presentation, is a certified SafeTALK Instructor(T4T), and safeTALK(Suicide alertness for everyone) and ASIST (Applied Suicide Intervention Skills Training) trainer.

Denise Shea retired from the United States Air Force after 25 years of service where she was a Signals Intelligence Analyst and then a Personnel Officer. She currently volunteers for several organizations in the Gaylord, MI community.

Denise earned a Bachelor of Arts Degree in Psychology from Hawaii Pacific University and a Master of Arts Degree in Educational Counseling (focus: high school) from the University of Phoenix as well as a Master of Arts Degree in Counseling & Leadership from the University of Colorado-Colorado Springs. Denise is also a Master Applied Suicide Intervention Skills Training (ASIST) and registered safeTALK trainer.

Applied Suicide Intervention Skills Training (ASIST)

ASIST is a two-day interactive workshop in suicide first-aid. ASIST teaches participants to recognize when someone may have thoughts of suicide and work with them to create a plan that will support their immediate safety. Although ASIST is widely used by healthcare providers, participants don't need any formal training to attend the workshop—ASIST can be learned and used by anyone.

ASIST makes a difference

As the world's leading suicide intervention workshop, LivingWorks' ASIST program is supported by numerous evaluations including independent and peer-reviewed studies. Results demonstrate that ASIST helps participants become more willing, ready, and able to intervene with someone who has thoughts of suicide.

ASIST is also proven to reduce suicidality for those with thoughts of suicide. A 2013 study that monitored over 1,500 suicidal callers to crisis lines found that callers who spoke with ASIST-trained counselors were 74% less likely to be suicidal after the call, compared to callers who spoke with counselors trained in methods other than ASIST. Callers were also less overwhelmed, less depressed, and more hopeful after speaking with ASIST-trained counselors.

FOCUS: Suicide intervention training

DURATION: Two days (15 hours)

PARTICIPANTS: Anyone 16 or older

TRAINERS: Two registered trainers per 15–30 participants

LANGUAGES: English, French, Inuktitut, and Norwegian

Goals and objectives

In the course of the two-day workshop, ASIST participants learn to:

- Understand the ways personal and societal attitudes affect views on suicide and interventions
- Provide guidance and suicide first-aid to a person with thoughts of suicide in ways that meet their individual safety needs
- Identify the key elements of an effective suicide safety plan and the actions required to implement it
- Appreciate the value of improving and integrating suicide prevention resources in the community at large
- Recognize other important aspects of suicide prevention including life-promotion and self-care

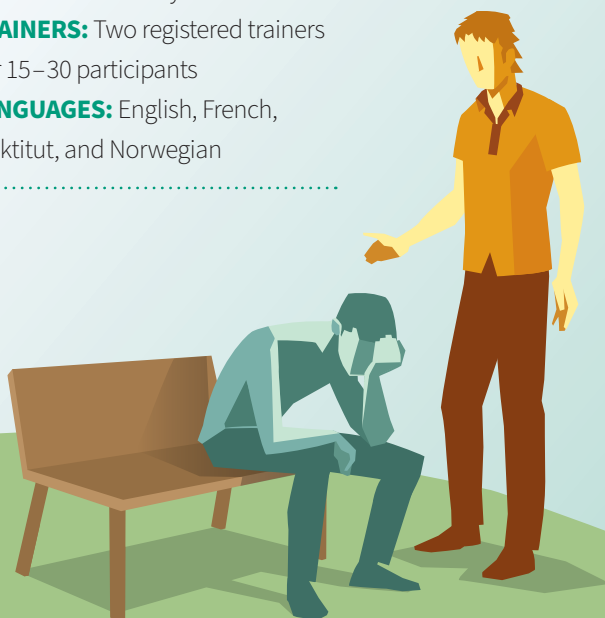
ASIST trainers

ASIST workshops are facilitated by a minimum of two registered trainers who have completed a five-day

Training for Trainers (T4T) course. ASIST trainers come from diverse backgrounds, but they must all deliver regular workshops and participate in a rigorous quality control program to remain registered. For information about trainers in your area, email info@livingworks.net. A listing of upcoming workshops is available at www.livingworks.net under the Our Trainings tab, "Find a Training."

ASIST participants

ASIST is a resource for the whole community. It helps people apply suicide first-aid in many settings: with family, friends, co-workers, and teammates, as well as formal caregiving roles. Many organizations have incorporated ASIST into professional development for their employees. Its widespread use in various communities creates a common language to understand suicide safety issues and communicate across different organizational backgrounds.



Workshop Process

ASIST is based on adult learning principles. Valuing participants' contributions and experiences, it encourages them to take an active role in the learning process. ASIST's key features include:

Small-group learning	To facilitate involvement, participants spend over half the workshop in a small group with one of the trainers.
Audiovisual aid	High-quality slides, diagrams, and videos help participants understand and memorize concepts.
Training focus	Some participants may have previous personal or professional experience with suicide or intervention. ASIST builds on these experiences to contribute to the overall learning goal—providing suicide first-aid.
Reliable, proven model	Workshop activities are structured around the ASIST intervention model and provide applicable, hands-on skills practice.
Emphasis on individual needs	Participants learn to adapt to the specific circumstances of a person with thoughts of suicide and work collaboratively to help them stay safe.
Perspective matters	Participants are encouraged to reflect on and share their own attitudes about suicide and suicide intervention. This helps them understand how their perspectives may affect their role in providing help to a person with thoughts of suicide.
Direct approach	By encouraging honest, open, and direct talk about suicide, ASIST helps prepare to discuss the topic with a person with thoughts of suicide.
Adaptable components	ASIST trainers can tailor certain features of the program, such as role-playing activities, to meet participants' professional or cultural needs.



11

Updated editions since 1983
for continued growth
and improvement



6,300+

ASIST trainers offer work-
shops in over 30 countries

1,430,000+

people have taken
ASIST worldwide

I use ASIST in virtually
every crisis situation,
volunteer and work...
Thank you for this
life-changing program.

—ASIST participant

*Statistics current as of March, 2018

About LivingWorks: LivingWorks is dedicated to saving lives through the creation, development, and delivery of innovative training experiences that empower individuals, organizations, and communities to be safer from suicide. To learn more, visit www.livingworks.net.





Learn the skills. Help save a life.

Anyone can make a difference.

- Two-day workshop in suicide intervention skills
- Learn and practice a life-saving intervention model
- Widely used by professionals and the general public

Limited availability for this 2 day training!

Dates: Oct 3/4, 2023 **BOTH DAYS Required!**

BOTH full days are required: **8:15 am - 4:30 pm**

Venue provided by DELTA Fire

Location: Delta Fire 811 N. Canal Rd. Lansing, MI 48917

Registration: <https://www.eventbrite.com/e/574940331007>

Questions: email KierstensRide@outlook.com or call Lisa Clavier 231-675-5047

Trainers: Lisa Clavier and Denise Shea- Bio's can be found @ kierstensride.org/board



Making a difference!



Kiersten's Ride

*Bringing help, hope and healing
through suicide prevention*

Links to additional resources:

kierstensride.org

<https://kierstensride.org/available-training/>

<https://kierstensride.org/help-is-available/>

Learn more about ASIST and see the evidence at www.livingworks.net/ASIST



"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, Fire Fighter Training Division
P.O. Box 30700 Lansing, MI 48909

Email: LARA-BFS-SMOKE@MICHIGAN.GOV

FMQ23-020

To add a seminar/course/workshop to be credentialed in SMOKE, submit this application and all required documents to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV. The information provided will be reviewed and if complete will be forwarded to the Michigan Fire Fighters Training Council (MFFTC) for curriculum consideration at the next scheduled MFFTC meeting. All applications must be received by the close of business two weeks before the scheduled MFFTC meeting date to be included on the agenda.

SECTION I

Name of Instructor:

Instructor's Street Address:

City:

State:

Zip Code:

Instructor's Cell Phone Number:

Instructor's Email:

SECTION II

Name of Course/Seminar/Workshop:

Flyer Attached:

Course Overview Attached:
Goals, Objectives, Course Outline

Instructor(s) Biography Attached:

Must provide a brief course description (100 words or less):

Must list the applicable NFPA standard(s):

Student Capacity:

Total Hours of Training:

Total Cost:

SECTION III

Instructor's Signature:

Timothy W. Baker

Date:

5/17/2023

BFS USE ONLY

Date Approved by MFFTC:

"Q" Course Number Assigned:

Date Course Catalog Updated:



LCC IRONS Course Overview:

Course Description: Introduction to forcible entry using an axe and halligan

Course Objectives:

- Safety
- Tool selection
- Door size-up (inward and outward swinging doors)
- Nomenclature
- Techniques for single and two firefighters
- Entry Challenges at Residential and Commercial

Course Outline:

1. Safety – Firefighter safety with using the ECRS Forcible Entry Prop, proper door size-up, tool selection, nomenclature and techniques that are hazardous. (20 Minutes)
2. Try before you Pry/Force – Before prying or using force are there other options in making entry. Through the Lock, Hinge Pulling/Cutting. (30 Minutes)
3. Halligan Street Math and the Irons (10 Minutes)
4. Door Construction, size-up, ventilation, mechanical advantage, inward swinging doors, outward swinging doors, single firefighter techniques, two firefighter techniques for entry, Challenges with Residential and Commercial doors, “Breaking Stuff Like a PRO” (2 hours)
5. Optional add on practical instruction on: (Add minimum of 1 hour per 2 options)
 - A. Intro to saws
 - B. Rebar cutting
 - C. Padlock cutting/striking
 - D. Hydra-Ram

Instructional Method: Demonstration discussion and plenty of hands on instruction with practice, practice, practice.

Course fees:

- Cost per instructor - \$62/hr. – 3hr = \$186
- Prop and Material cost - \$150
- Travel not included, but can be added at \$3/mile with an additional one hour for instructor, plus travel.
- Optional Add on training



LCC Regional Fire Training Center Staff

Select from any of the following staff based on availability. Know you will get an instructor with ample knowledge and experience in all areas of Firefighting. Below includes the staff listing with level of Fire Instructor and areas of specialization.

Captain Kevin Neely – Lansing Fire Department (MFFTC Fire Instructor II, Leadership, Fire Ground Survival)

Ret. Capt. Don Fox – Dewitt Township Fire Department (MFFTC Fire Instructor I, Driver Training)

Public Service Careers Director Tim Baker – Lansing Community College (MFFTC Fire Instructor II, Pro Board Instructor II, Live Fire – Flashover, Administration and Leadership)

Ret. Battalion Chief Robert Labioda – Lansing Fire Department (MFFTC Fire Instructor II, Live Fire, Building Construction, Fire Ground Survival)

Lt. Nicole Floyd – East Lansing Fire Department (MFFTC Fire Instructor I, Technical Rescue)

Capt. Mike Kaloz – Lansing Township Fire Department (MFFTC Fire Instructor II, Leadership, Live Fire, Vehicle Extrication, Fire Ground Survival)

Ret. Battalion Chief David Weisenberg – Lansing Fire Department (MFFTC Instructor II, Fire Ground Survival, Live Fire, Leadership)

EO Jared Willman – Battle Creek Fire Department (MFFTC Fire Instructor II, Military, Live Fire, Fire Ground Survival)

Capt. Jason Stevens – Lansing Fire Department (MFFTC Fire Instructor I, Hazmat, Emergency Management)

Lt. Andre Doser – Battle Creek Fire Department (MFFTC Fire Instructor I, Forcible Entry, Building Construction)

EO Quang Le – Lansing Fire Department (MFFTC Fire Instructor II, IAFF Master Instructor, Fire Ground Survival)

Lt. Brendon Caid – Battle Creek Fire Department (MFFTC Fire Instructor I, Live Fire, Technical Rescue)

EO Luca Mohre – Lansing Fire Department (MFFTC Fire Instructor I, Live Fire, Technical Rescue, Fire Ground Survival)



LCC Basic Irons Training



Presented by: Lansing Community College Regional Fire Training Center

This course serves as an introduction to forcible entry utilizing an axe and halligan.

Topics include: Tool selection, nomenclature, safety, mechanical advantage, door size up, One FF and Two FF techniques, Residential and Commercial entry challenges.



This training can be done at LCC's Regional Training Center or can be taken on the road. Contact Director Tim Baker 517-483-5227 or Coordinator David Weisenberg 517-483-1394 to schedule.

Details:

3 hours of hands on instruction

Class includes instructor, ECRS Forcible entry door prop, materials, and travel as requested. Contact for pricing.

Must provide your own Irons set.



"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, Fire Fighter Training Division
P.O. Box 30700 Lansing, MI 48909

Email: LARA-BFS-SMOKE@MICHIGAN.GOV

FMQ23-021

To add a seminar/course/workshop to be credentialed in SMOKE, submit this application and all required documents to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV. The information provided will be reviewed and if complete will be forwarded to the Michigan Fire Fighters Training Council (MFFTC) for curriculum consideration at the next scheduled MFFTC meeting. All applications must be received by the close of business two weeks before the scheduled MFFTC meeting date to be included on the agenda.

SECTION I

Name of Instructor:

Instructor's Street Address:

City:

State:

Zip Code:

Instructor's Cell Phone Number:

Instructor's Email:

SECTION II

Name of Course/Seminar/Workshop:

Flyer Attached:

Course Overview Attached:
Goals, Objectives, Course Outline

Instructor(s) Biography Attached:

Must provide a brief course description (100 words or less):

Must list the applicable NFPA standard(s):

Student Capacity:

Total Hours of Training:

Total Cost:

SECTION III

Instructor's Signature:

Date:

BFS USE ONLY

Date Approved by MFFTC:

"Q" Course Number Assigned:

Date Course Catalog Updated:



TRAINING NOTICE

Fire Rescue 1 Academy

COURSE NAME: Fire Rescue 1 Learning Management System

COURSE DATE: TBD

COURSE TIME: TBD

COURSE CODE: TBD

COURSE COST: TBD

REGISTRATION: Online

COURSE LOCATION: Online

COURSE MANAGER: TBD

PHONE: (248) 540-3417

E-MAIL: rginther@beverlyhillspolice.com

DESCRIPTION: FireRescue1 Academy's learning management system streamlines the training experience for fire departments. Their training solution offers more than 1,100 online Fire & EMS courses, training workflows and skills development tracking. It provides access to online fire and EMS training content that can be delivered during in-service, field training or in a self-paced format to individual personnel or groups.

The system is available on-demand at any time from any internet enabled computer tablet, or mobile device.

All EMS courses are approved for credit by the Commission on Accreditation for Pre-Hospital Continuing Education (CAPCE) and fire courses follow and meet NFPA standards. Also, our partnership with FIREHOUSE Software® integrates your department's training records with one of the very best online fire records management software systems available in the industry.

Self-registration in the SMOKE system does not guarantee a seat. Registration in this course requires approval of Course Manager.



Overview

- COURSE NAME:** Fire/Rescue 1 Academy
- SUBMITTED BY:** Robert Ginther, SMOKE #550703
- FORMAT:** Lecture/Practical
- COURSE HOURS:** Variable
- NUMBER OF INSTRUCTORS:** Variable
- INSTRUCTOR FEE LIMIT:** \$50,000.00 (for the purchase of multiple subscriptions)
- REFERENCES:** NFPA 472, NFPA 473, NFPA 1001, NFPA 1002, NFPA 1006, NFPA 1021, NFPA 1031, NFPA 1401, NFPA 1500
- DESCRIPTION:** FireRescue1 Academy's learning management system streamlines the training experience for fire departments. Their training solution offers more than 1,100 online Fire & EMS courses, training workflows and skills development tracking. It provides access to online fire and EMS training content that can be delivered during in-service, field training or in a self-paced format to individual personnel or groups.
- The system is available on-demand at any time from any internet enabled computer tablet, or mobile device.
- All EMS courses are approved for credit by the Commission on Accreditation for Pre-Hospital Continuing Education (CAPCE) and fire courses follow and meet NFPA standards. Also, our partnership with FIREHOUSE Software® integrates your department's training records with one of the very best online fire records management software systems available in the industry.
- Attached is the full online course catalog.
- EVALUATIONS:** The following methods will be utilized to evaluate instruction
- I. An on-line course evaluation which will be required for students to receive course credit.



ONLINE COURSE CATALOG

www.FireRescue1Academy.com

844-312-9500

CONTENTS

FIRE TRAINING

- 3** Aircraft Rescue and Firefighting (ARFF)
EVOC-Fire/EMS
Fire Attack/Fireground Operations
Fire Inspector
Fire Officer 1 and 2
Fire Service Instructor
- 4** Fire Service Management
Firefighter 1 and 2
FR1 Reality Training
General Health and Wellness
General Human Resources
- 5** General Management Skills
General Professional Skills
General Safety/Compliance
- 6** Hazards and Hazmat
Health and Wellness for Fire
Mass Casualty Incidents for Fire
Products and Technologies for Fire
Pump Operator
Technical Rescue

EMS TRAINING

- 6** Airway Management
Capnography
Cardiac Care
- 7** Dispatch Communications for EMS
eACLS Recertification
EMS Operations and Management
EMT Interactive
- 8** EVOC-Fire/EMS
Health and Wellness for EMS
Health Care Provider CPR Interactive
Mass Casualty Incidents for EMS
Modern Medic/Medic Monthly (ALS)
- 9** Modern Medic/Medic Monthly (BLS)
- 10** Medical/Clinical
Paramedic Interactive Series 8th Edition
- 11** Patient Handling
Pediatric Care
Products and Technologies for EMS
Trauma



MASTER CLASSES

The only place to experience Gordon Graham's legendary presentations online!

Master Class courses feature nationally renowned speakers and leaders in an up-close and personal format to tackle tough issues of leadership, department and people management, and risk management. Available as an add-on purchase to your agency's FireRescue1 Academy subscription.

- Foster career development and inspire current and future leaders to grow
- Enhance or start a company/chief officer development curriculum
- Increase learning retention and apply key concepts to your department

AVAILABLE COURSES

- 3.5H** Career Development in the Fire Service with Dr. Denis Onieal
- 3.5H** Creating a Culture of Risk Management with Gordon Graham
- 2.5H** Leadership and Change Management with Chief John Butler
- 2H** Leading the Next Generation with U.S. Fire Administrator Dr. Lori Moore-Merrell
- 3H** Survival on the Job with Deputy Chief Billy Goldfeder
- 3H** Fire Service Liabilities with Deputy Chief Curt Varone - **NEW!**

ALSO FEATURING MICROLEARNING OPPORTUNITIES

Leverage technology to make daily briefings and other short windows of training time more effective for your department. FireRescue1 Academy includes more than 400 short videos perfect for microlearning. And with our full-service learning management system, you can make kitchen table learning count by tracking training completed as a group with just a few clicks.

- Use your 5-15 minute windows available during station time to communicate key concepts
- Break up learning into shorter "bursts" to drive firefighter engagement and retention
- Smaller segments are ideal for adult learners who may have short attention spans

MICROLEARNING TOPICS INCLUDE:

- Reality Training
- Health and Wellness
- Patient Handling
- Search and Rescue
- Mass-Casualty Response
- Fire Service Management

FIRE TRAINING

AIRCRAFT RESCUE AND FIREFIGHTING (ARFF)

- 2H** Aircraft Rescue and Firefighting (ARFF) Advanced Skills
- 2.5H** Aircraft Rescue and Firefighting (ARFF) Basic Skills

EVOC-FIRE/EMS

- 30M** Emergency Vehicle Characteristics
- 1H** Emergency Vehicle Driving Dynamics
- 1H** Emergency Vehicle Driving Requirements
- 1H** Emergency Vehicle Driving Techniques
- 1H** Selecting the Proper Personnel - Ability and Attitude

FIRE ATTACK/FIREGROUND OPERATIONS

- 1H** Performing a V-E-I-S (Vent-Enter-Isolate-Search) Operation
- 30M** Salvage and Overhaul- Chutes
- 30M** Salvage and Overhaul-Gas Monitoring
- 1H** Salvage and Overhaul-Introduction and Tarps
- 1H** Wildland Fire Observations & Origin Scene Protection
- 1H** Wildland Urban Interface (WUI) Structure Defense

FIRE INSPECTOR

- 45M** Fire Inspector - Module 01: Inspector Authority: How to Become a Fire Inspector
- 3.5H** Fire Inspector - Module 02: Building Construction
- 1.5H** Fire Inspector - Module 03: Occupancy Loads and Means of Egress
- 3H** Fire Inspector - Module 04: Fire Detection and Alarm Systems
- 2.5H** Fire Inspector - Module 05: Water Supply and Fire Flows
- 2H** Fire Inspector - Module 06: Fire Suppression Systems
- 2H** Fire Inspector - Module 07: Fire Growth and Spread Factors
- 3.5H** Fire Inspector - Module 08: Hazardous Materials Awareness
- 2.5H** Fire Inspector - Module 09: Fire Hazard Recognition

- 1.5H** Fire Inspector - Module 10: Emergency Planning and Preparedness Procedures

FIRE OFFICER 1 AND 2

- 45M** FO: Leader, Mentor, and Coach
- 45M** FO: Community Outreach
- 45M** FO: Fire Incident Safety
- 45M** FO: Fire Investigation and Determination
- 45M** FO: Fire Officer Leadership Skills
- 45M** FO: Fire Officer Safety
- 45M** FO: Firefighter Professional Development
- 1H** FO: Incident and Crew Management
- 45M** FO: Information Management
- 45M** FO: Labor Relations
- 45M** FO: Managing the Budget and Change
- 45M** FO: Officer Communications
- 1H** FO: Organizational Risk Management
- 45M** FO: Personnel Management and Discipline
- 45M** FO: Planning and Code Enforcement
- 45M** FO: Preparing for the Promotion
- 1H** FO: Professional Ethics
- 45M** FO: Public Fire Education
- 1H** FO: The Company Officer

FIRE SERVICE INSTRUCTOR*

- 1H** Fire and Emergency Services Instructor - Module 1: Today's Fire and Emergency Services Instructor
- 1H** Fire and Emergency Services Instructor - Module 2: The Learning Process
- 45M** Fire and Emergency Services Instructor - Module 3: Methods of Instruction
- 30M** Fire and Emergency Services Instructor - Module 4: Communication Skills
- 30M** Fire and Emergency Services Instructor - Module 5: Foundations of Instructional Delivery
- 30M** Fire and Emergency Services Instructor - Module 6: Technology in Training
- 30M** Fire and Emergency Services Instructor - Module 7: Training Safety
- 30M** Fire and Emergency Services Instructor - Module 8: Evaluating the Learning Process

* Jones and Bartlett courses available as an add-on for agency subscriptions only.

FIRE SERVICE MANAGEMENT

- 1H** Financial Controls for Preventing Theft
- 3H** Fire 20/20 Partnering for Prevention Program
- 1H** Sexual Harassment Prevention for the Fire Service

FIREFIGHTER 1 AND 2

- 1H** FF: Ropes and Knots
- 1H** FF: Assisting Special Rescue Teams
- 1H** FF: Building Construction
- 1H** FF: Community Outreach
- 1H** FF: Decontamination Techniques
- 1H** FF: Fire and Emergency Medical Care
- 1H** FF: Fire Behavior
- 1H** FF: Fire Cause Determination
- 1H** FF: Fire Detection, Protection, and Suppression Systems
- 1H** FF: Fire Streams
- 1H** FF: Fire Suppression
- 1H** FF: Firefighter Communications
- 1H** FF: Firefighter Safety
- 1H** FF: Firefighter Survival
- 1H** FF: Firefighter Tools
- 1H** FF: Forcible Entry
- 1H** FF: History and Orientation of the Fire Service
- 1H** FF: Implement a Response
- 1H** FF: Incident Command
- 1.5H** FF: Ladders
- 1H** FF: Personal Protective Equipment (PPE)
- 1H** FF: Properties and Effects
- 1H** FF: Recognizing and Identifying the Hazards
- 1H** FF: Response and Size Up
- 1H** FF: Response Priorities and Actions
- 1H** FF: Salvage and Overhaul
- 1H** FF: Search and Rescue
- 1H** FF: Terrorism Awareness
- 1H** FF: Vehicle Rescue and Extrication Techniques
- 1.25H** FF: Ventilation
- 1H** FF: Wildland and Ground Fires
- 1H** Forcible Entry
- 1H** FF: Ropes and Knots

FR1 REALITY TRAINING

- 30M** Reality Training - Fire and the Hazards of Tilt-up Construction

GENERAL HEALTH AND WELLNESS

- 1H** Dealing with Stress
- 1H** Diabetic Emergencies
- 1H** High Blood Pressure – Reducing Your Risks
- 1H** Managing Your Healthcare
- 1H** Sleep and Your Health
- 1H** Smoking Cessation
- 1H** Tourette Syndrome and Other Neurological Disorders
- 1H** Understanding Anxiety Disorders, OCD, and PTSD
- 1H** Understanding Autism Spectrum Disorder
- 1H** Understanding Behavior, Burnout, and Depression
- 1H** Understanding Carpal Tunnel Syndrome
- 1H** Understanding Depression and Bipolar Disorder
- 1H** Understanding Eating Disorders
- 1H** Understanding Prediabetes
- 1H** Walking Your Way to Fitness
- 1H** Yoga for First Responders

GENERAL HUMAN RESOURCES

- 1H** Acoso Sexual en el Lugar de Empleo
- 2H** Acoso Sexual para Gerentes
- 1H** ADA Compliance in Business
- 1H** Anti-Harassment in the Workplace
- 1H** Dealing with Angry Employees
- 1H** Dealing with the Media
- 1H** Diversity in the Workplace
- 1H** Drug and Alcohol Awareness
- 1H** Family and Medical Leave Act (FMLA)
- 1H** FMLA Training for Supervisors
- 1H** Form I-9 and Employment Eligibility Verification
- 1H** HR Recruitment and Selection Process
- 1H** Managing a Remote Workforce
- 1H** Personnel Record Retention (Federal Standards)
- 2H** Reasonable Suspicion Training for Supervisors
- 1H** Recognizing Child Abuse
- 2H** Recognizing Domestic Violence
- 2H** Risks of Social Media in the Workplace
- 2H** Sexual Harassment Awareness AB 1825 (California)
- 2H** Sexual Harassment For Managers
- 1H** Sexual Harassment in the Workplace
- 1H** Sexual Harassment in the Workplace AB 1825 (California)
- 1H** Violence in the Workplace

- 1H Workers' Compensation: Sprain and Strain Injury Prevention
- 1H Workplace Bullying

GENERAL MANAGEMENT SKILLS

- 1H Conflict and Dispute Resolution
- 1H Parliamentary Procedures
- 1H Press Conference and Briefing Basics
- 1H Running an Effective Board Meeting
- 1H Training for Small Communities

GENERAL PROFESSIONAL SKILLS

- 1H An Introduction to Requests for Proposal
- 1H Basic Math Concepts
- 1H Basic Telephone Skills
- 1H Business Writing Basics
- 1H Career Professionalism
- 1H Developing Effective Communication Skills
- 1H Developing Leadership
- 1H Effective Presentation Basics
- 1H Emotional Intelligence for Leaders
- 1H Employee Recognition
- 1H Employee Retention
- 1H Enhancing Work Relationships
- 1H Finance 101 for Non-Financial Managers
- 1H Generational Differences
- 1H Goal Setting Skills
- 1H Interviewing Skills for Managers: Conducting an Interview
- 1H Leadership v. Management
- 1H Managing Risk in an Aging Workforce
- 1H Meeting Management
- 1H Navigating the Work Environment
- 1H Performance Management
- 1H Providing Effective Onboarding
- 1H Retaining Talent
- 1H Science of Employee Engagement
- 1H Shaping an Ethical Workplace Culture
- 1H Skills for the New Trainer
- 1H Supervisor Skills
- 1H The Aging Workforce: Leveraging the Talents of Mature Employees
- 1H Time Management Skills
- 1H Transition from Peer to Supervisor
- 1H Workplace Stress Resiliency

GENERAL SAFETY/COMPLIANCE

- 1H Absorbents and Spills
- 1H Advanced Defensive Driving Techniques
- 1H Airborne and Bloodborne Pathogens
- 1H Back Injuries
- 2H Basic First Aid
- 1H Bloodborne Pathogens for Public Entities
- 1H Computer Security Basics
- 1H Confined Spaces 101
- 1H Confined Spaces 102
- 1H Crisis Management
- 1H Dealing with Cold Stress
- 1H Dealing with Heat Stress
- 1H Defensive Driving Basics
- 1H Electrical and Fire Safety
- 1H Emergency Preparation and Egress
- 1H Equipment Safety
- 1H Fall Protection
- 30M FEMA Benefit-Cost Analysis Fundamentals
- 1H FEMA Emergency Support Function #6: Mass Care, Emergency Assistance, Housing, and Human Services
- 4H FEMA Fundamentals of Emergency Management
- 2H FEMA Fundamentals of Risk Management
- 2H FEMA Integrated Public Alert and Warning System (IPAWS) for Alerting Authorities
- 2H FEMA Introduction to Homeland Security Planning
- 2H FEMA Social Media in Emergency Management
- 1H FEMA Surveillance Awareness: What You Can Do?
- 2H FEMA The Role of Voluntary Organizations in Emergency Management
- 1H FEMA Wildfire Mitigation Basics
- 1H Global SDS and the Hazardous Communication Standards
- 2H Highway Incident Safety Guidelines for Emergency Responders
- 1H HIPAA: Protected Health Information for Public Entities
- 2H ICS-100c: Introduction to the Incident Command System
- 1H Ladder Safety
- 1H Lockout/Tagout 101
- 1H Lockout/Tagout 102
- 1H Means of Egress
- 1H Personal Protective Equipment
- 1H Preventing Accidents in the Workplace
- 1H Preventing Slips, Trips, and Falls

- 1H Public Employee Safety in the Community
- 30M Respirators and Air Quality
- 1H Safeguarding Your Community from Terrorism
- 1H Workplace Ergonomics

HAZARDS AND HAZMAT

- 2H Hazmat First Responder Awareness (FRA) Level I
- 1H HAZMAT: Air Monitoring and Sampling
- 1H HAZMAT: Basic Toxicology
- 2H HAZMAT: Evidence Preservation and Sampling
- 1H HAZMAT: Mass Decontamination
- 2H HAZMAT: Overview Hazardous Materials and Substances
- 2H HAZMAT: Personal Protective Equipment
- 1H HAZMAT: Planning and Responding to Hazardous Materials Incidents
- 1H HAZMAT: Preparing for Potential Harm and Response
- 1H HAZMAT: Product Control
- 1H HAZMAT: Responder Safety
- 1H HAZMAT: Responder Safety from Fire Smoke
- 1H HAZMAT: Responding to Terrorist Incidents
- 1H HAZMAT: Response to Illicit Laboratories
- 1H HAZMAT: Technical Decontamination
- 1H HAZMAT: Transportation
- 1H HAZMAT: Victim Rescue and Recovery

HEALTH AND WELLNESS FOR FIRE

- 1H Firefighter Cancer: Prevention and Health
- 1H Firefighter Fitness
- 1H Firefighter Fitness Techniques
- 1H Firefighter PTSD (NFPA 1500)
- 1H Mental Health and Wellness for Firefighters

MASS CASUALTY INCIDENTS FOR FIRE

- 3.5H FEMA IS-0700.b An Introduction to the National Incident Management System
- 3H IS-800.D: National Response Framework, An Introduction

PRODUCTS AND TECHNOLOGIES FOR FIRE

- 1H Globe NFPA 1851, 2020 Edition

PUMP OPERATOR

- 1H Pump Operator: Apparatus Performance Testing
- 1H Pump Operator: Approaching the Fireground
- 1H Pump Operator: Driver Operator Hydraulics
- 1H Pump Operator: Driver/Operator Overview

- 1H Pump Operator: Fire Apparatus Types
- 1H Pump Operator: Fire Pump Systems
- 1H Pump Operator: Fireground Response Tactics
- 1H Pump Operator: Foam Operations
- 1H Pump Operator: Properties of Water
- 1H Pump Operator: Pump Operator Safety
- 2H Pump Operator: Pumper Apparatus
- 1H Pump Operator: Water Supply Overview

TECHNICAL RESCUE

- 1H Technical Rescue: Incident Management
- 1H Technical Rescue: Overview
- 1H Technical Rescue: Rope Rescues
- 2H Technical Rescue: Search and Rescue for Confined Spaces
- 1H Technical Rescue: Search and Rescue for Structural Collapse
- 1H Technical Rescue: Search and Rescue for Trench Excavation
- 1H Technical Rescue: Search and Rescue for Vehicles and Machinery Incidents
- 1H Technical Rescue: Search and Rescue for Water Incidents
- 1H Technical Rescue: Search and Rescue for Wilderness
- 1H Technical Rescue: Search Tactics and Handling Victims
- 1H Technical Rescue: Vehicles and Equipment

EMS TRAINING

AIRWAY MANAGEMENT

- 3H Advanced Airway: Intubation
- 1H Airway 1
- 1H Basic Airway Mastery
- 2H Respiratory

CAPNOGRAPHY

- 1H Capnography for BLS: Getting Started with Capnography

CARDIAC CARE

- 3H 12-Lead EKG
- 1H Acute MI and STEMI (ALS)
- 1H Acute MI and STEMI (BLS)
- 1H Considerations for Pediatric Cardiac Arrest
- 1H Current Trends in Stroke Care

- 1H** Techniques for Improving the Effectiveness of Your Chest Compressions

DISPATCH COMMUNICATIONS FOR EMS

- 1H** Radio Communications for EMS

EACLS RECERTIFICATION*

- 8H** eACLS Recertification

*Jones and Bartlett course available as an add-on for agency subscriptions only.

EMS OPERATIONS AND MANAGEMENT

- 1H** Ambulance Safety and Design
- 1H** Customer Service
- 1H** Emergency Operations EMS1
- 1H** EMS Crew Resource Management
- 1H** EMS Research
- 1H** EMS Street Survival - 1
- 1H** EMS Street Survival - 2
- 1H** EMS Street Survival - 3
- 1H** EMS Street Survival - 4
- 1H** Evidence-based Guidelines for EMS Providers
- 1.5H** Leading a Safe and High Performing Ambulance Team
- 2H** Legal
- 1H** Lights and Sirens: Deadly Epidemic
- 1H** Operations EMS1
- 2H** Preparing for the EMS Texas Jurisprudence Exam
- 1H** Sexual Harassment Prevention for EMS
- 1H** Six Core Elements of the EMS Culture of Safety
- 1H** The Culture of Ambulance Safety
- 1H** Vehicle Operations EMS1

EMT INTERACTIVE*

- 30M** EMT Interactive-Module 01-EMS Systems
- 30M** EMT Interactive-Module 02-Workforce Safety and Wellness
- 30M** EMT Interactive-Module 03-Medical Legal and Ethical Issues
- 2.5H** EMT Interactive Module 04-Communications and Documentation
- 30M** EMT Interactive-Module 05-Medical Terminology
- 1.5H** EMT Interactive-Module 06-The Human Body
- 30M** EMT Interactive-Module 07-Life Span Development

- 30M** EMT Interactive-Module 08-Lifting and Moving Patients
- 30M** EMT Interactive-Module 09-Patient Assessment
- 1.5H** EMT Interactive-Module 10-Airway Management
- 30M** EMT Interactive-Module 11-Principles of Pharmacology
- 30M** EMT Interactive-Module 12-Shock
- 30M** EMT Interactive-Module 13-BLS Resuscitation
- 30M** EMT Interactive Module 14-Medical Overview
- 30M** EMT Interactive-Module 15-Respiratory Emergencies
- 1H** EMT Interactive-Module 16-Cardiovascular Emergencies
- 30M** EMT Interactive-Module 17-Neurological Emergencies
- 30M** EMT Interactive-Module 18-Gastrointestinal and Urologic Emergencies
- 30M** EMT Interactive-Module 19-Endocrine and Hematologic Emergencies
- 30M** EMT Interactive-Module 20-Immunologic Emergencies
- 1H** EMT Interactive-Module 21-Toxicology
- 30M** EMT Interactive-Module 22-Psychiatric Emergencies
- 30M** EMT Interactive-Module 23-Gynecologic Emergencies
- 30M** EMT Interactive-Module 24-Trauma Overview
- 1H** EMT Interactive-Module 25-Bleeding
- 1H** EMT Interactive-Module 26-Soft Tissue Injuries
- 1H** EMT Interactive-Module 27-Face and Neck Injuries
- 1H** EMT Interactive-Module 28-Head and Spine Injuries
- 1H** EMT Interactive-Module 29-Chest Injuries
- 1H** EMT Interactive-Module 30-Abdominal and Genitourinary Injuries
- 1.5H** EMT Interactive-Module 31-Orthopaedic Injuries
- 1.5H** EMT Interactive-Module 32-Environmental Emergencies
- 2H** EMT Interactive-Module 33-Obstetrics and Neonatal Care
- 3H** EMT Interactive-Module 34-Pediatric Emergencies
- 1H** EMT Interactive-Module 35-Geriatric Emergencies
- 1H** EMT Interactive-Module 36-Patients With Special Challenges
- 30M** EMT Interactive-Module 37-Transport Operations

- 30M** EMT Interactive-Module 38-Vehicle Extrication and Special Rescue
- 2H** EMT Interactive-Module 39-Incident Management
- 30M** EMT Interactive-Module 40-Terrorism Response and Disaster Management
- 30M** EMT Interactive-Module 41-A Team Approach to Health Care

* Jones and Bartlett courses available as an add-on to agency subscriptions and to individual subscribers.

EVOC-FIRE/EMS

- 30M** Emergency Vehicle Characteristics
- 1H** Emergency Vehicle Driving Dynamics
- 1H** Emergency Vehicle Driving Requirements
- 1H** Emergency Vehicle Driving Techniques
- 1H** Selecting the Proper Personnel - Ability and Attitude

HEALTH AND WELLNESS FOR EMS

- 1H** Provider Well-Being

HEALTH CARE PROVIDER CPR INTERACTIVE

Online CPR recertification; requires in-person skills portion to receive course completion card. Jones and Bartlett course available as an add-on for agency subscriptions only.

MASS CASUALTY INCIDENTS FOR EMS

- 1H** Disaster Operations
- 1H** Disaster Response for EMS
- 3.5H** FEMA IS-0700.b An Introduction to the National Incident Management System
- 3H** IS-800.D: National Response Framework, An Introduction

MODERN MEDIC/MEDIC MONTHLY (ALS)

- 1H** Abdominal Aortic Aneurysm (ALS)
- 1H** Abdominal Trauma (ALS)
- 1H** Acute Psychosis (ALS)
- 1H** Alcohol-Related Emergencies (ALS)
- 1H** Altered Mental Status in the Elderly (ALS)
- 1H** Alternative Drugs of Abuse (ALS)
- 1H** Altitude Illness (ALS)
- 1H** Amputation and Hemorrhage Control (ALS)
- 1H** Anaphylaxis (ALS)

- 1H** Animal Bites (ALS)
- 1H** Anticholinergic Overdose (ALS)
- 1H** Asthma (ALS)
- 1H** Back Pain/Injuries (ALS)
- 1H** Blast Injuries (ALS)
- 1H** Body Piercing (ALS)
- 1H** Burns (ALS)
- 1H** Capnography for Respiratory Distress (ALS)
- 1H** Carbon Monoxide Poisoning (ALS)
- 1H** Chest Pain (ALS)
- 1H** Chest Trauma (ALS)
- 1H** CHF Vs. COPD (ALS)
- 1H** Child Abuse (ALS)
- 1H** Club Drugs (ALS)
- 1H** Customer Service (ALS)
- 1H** Dehydration (ALS)
- 1H** Dementia and Prehospital Implications (ALS)
- 1H** Depression/Suicide (ALS)
- 1H** Determination of Death (ALS)
- 1H** Diabetic Emergencies (ALS)
- 1H** Diving Emergencies (ALS)
- 1H** DNR (ALS)
- 1H** Dyspnea (ALS)
- 1H** Elder Abuse (ALS)
- 1H** Elderly Falls (ALS)
- 1H** Elderly Hip Fracture (ALS)
- 1H** Electrical Injuries (ALS)
- 1H** EMS Lawsuits - Documentation/Patient Refusals (ALS)
- 1H** EMS Response to Active Shooter Incidents (ALS)
- 1H** Excited Delirium (ALS)
- 1H** Eye Injuries (ALS)
- 1H** Facial Trauma (ALS)
- 1H** Gastrointestinal Bleeding (ALS)
- 1H** Head Injuries (ALS)
- 1H** Headaches (ALS)
- 1H** Hepatitis and Job-Related Infectious Disease Concerns (ALS)
- 1H** Hyperthermic Patient (ALS)
- 1H** Hypothermic Patient (ALS)
- 1H** Kidney Disease (ALS)
- 1H** Liver Disease (ALS)
- 1H** Managing Chronic Care Patients (ALS)
- 1H** Managing the Pediatric Arrest (ALS)
- 1H** Medication Errors (ALS)
- 1H** Methamphetamine Abuse (ALS)
- 1H** Myocardial Infarction (ALS)
- 1H** Narcotic Abuse (ALS)
- 1H** Narcotic Abuse (ALS) - 2016
- 1H** Near Drowning (ALS)

- 1H Pediatric Abdominal Trauma (ALS)
- 1H Pediatric Altered Mental Status (ALS)
- 1H Pediatric Burns (ALS)
- 1H Pediatric Chest Pain (ALS)
- 1H Pediatric Emergencies (ALS)
- 1H Pediatric Falls (ALS)
- 1H Pediatric Head Trauma (ALS)
- 1H Pediatric Overdose (ALS)
- 1H Pediatric Seizures (ALS)
- 1H Pediatric Shock (ALS)
- 1H Pediatric Shortness of Breath (ALS)
- 1H Pediatric Spinal Injuries (ALS)
- 1H Pediatric Toxic Ingestion (ALS)
- 1H Penetrating Neck Trauma (ALS)
- 1H Pit Crew CPR (ALS)
- 1H Pregnancy and Dyspnea (ALS)
- 1H Pregnancy and Trauma (ALS)
- 1H Radiation Injuries (ALS)
- 1H Return of Spontaneous Circulation (ALS)
- 1H Safe and Effective Pain Management (ALS)
- 1H Safe Transport of the Pediatric Patient (ALS)
- 1H Scene Safety at MCI (ALS)
- 1H Seizures (ALS)
- 1H Sepsis (ALS)
- 1H Sick Cell Crisis (ALS)
- 1H Snakebites and Stings (ALS)
- 1H Spinal Injuries (ALS)
- 1H Spinal Motion Restriction (ALS)
- 1H Stabbings (ALS)
- 1H Stroke (ALS)
- 1H Sudden Infant Death Syndrome (SIDS) (ALS)
- 1H The Art of Patient Refusal (ALS)
- 1H The Obese Patient (ALS)
- 1H Toxic Inhalations (ALS)
- 1H Treating Neck and Spinal Injuries (ALS)
- 1H Triage (ALS)
- 1H Ventricular Assist Devices: Assessment and Treatment Considerations (ALS)
- 1H Wheezing (ALS)

MODERN MEDIC/MEDIC MONTHLY (BLS)

- 1H Abdominal Aortic Aneurysm (BLS)
- 1H Abdominal Trauma (BLS)
- 1H Acute Psychosis (BLS)
- 1H Alcohol-Related Emergencies (BLS)
- 1H Altered Mental Status in the Elderly (BLS)
- 1H Alternative Drugs of Abuse (BLS)
- 1H Altitude Illness (BLS)
- 1H Amputation and Hemorrhage Control (BLS)

- 1H Anaphylaxis (BLS)
- 1H Animal Bites (BLS)
- 1H Anticholinergic Overdose (BLS)
- 1H Asthma (BLS)
- 1H Back Pain/Injuries (BLS)
- 1H Blast Injuries (BLS)
- 1H Body Piercing (BLS)
- 1H Burns (BLS)
- 1H Capnography for Respiratory Distress (BLS)
- 1H Carbon Monoxide Poisoning (BLS)
- 1H Chest Pain (BLS)
- 1H Chest Trauma (BLS)
- 1H CHF Vs. COPD (BLS)
- 1H Child Abuse (BLS)
- 1H Club Drugs (BLS)
- 1H Customer Service (BLS)
- 1H Dehydration (BLS)
- 1H Dementia and Prehospital Implications (BLS)
- 1H Depression/Suicide (BLS)
- 1H Determination of Death (BLS)
- 1H Diabetic Emergencies (BLS)
- 1H Diving Emergencies (BLS)
- 1H DNR (BLS)
- 1H Dyspnea (BLS)
- 1H Elder Abuse (BLS)
- 1H Elderly Falls (BLS)
- 1H Elderly Hip Fracture (BLS)
- 1H Electrical Injuries (BLS)
- 1H EMS Lawsuits - Documentation/Patient Refusals (BLS)
- 1H EMS Response to Active Shooter Incidents (BLS)
- 1H Excited Delirium (BLS)
- 1H Eye Injuries (BLS)
- 1H Facial Trauma (BLS)
- 1H Gastrointestinal Bleeding (BLS)
- 1H Head Injuries (BLS)
- 1H Headaches (BLS)
- 1H Hepatitis and Job-Related Infectious Disease Concerns (BLS)
- 1H Hyperthermic Patient (BLS)
- 1H Hypothermic Patient (BLS)
- 1H Kidney Disease (BLS)
- 1H Liver Disease (BLS)
- 1H Managing Chronic Care Patients (BLS)
- 1H Managing the Pediatric Arrest (BLS)
- 1H Medication Errors (BLS)
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- 1H Triage (BLS)
- 1H Ventricular Assist Devices: Assessment and Treatment Considerations (BLS)
- 1H Wheezing (BLS)

MEDICAL/CLINICAL

- 1H Environmental
- 1H HIV/AIDS
- 1H Medical
- 1H Medication-Resistant Pathogens (MRSA, TB, VRE, C.Diff)
- 1H Obstetrics
- 1H What Would You Do?

PARAMEDIC INTERACTIVE SERIES 8TH EDITION*

- 1H Paramedic Interactive - Module 01 EMS Systems 8th Edition
- 30M Paramedic Interactive - Module 02 Workforce Safety and Wellness 8th Edition
- 30M Paramedic Interactive - Module 03 Public Health 8th Edition
- 1H Paramedic Interactive - Module 04 Medical, Legal, and Ethical Issues 8th Edition
- 1H Paramedic Interactive - Module 05 Communications 8th Edition
- 30M Paramedic Interactive - Module 06 Documentation 8th Edition
- 15M Paramedic Interactive - Module 07 Medical Terminology 8th Edition
- 3H Paramedic Interactive - Module 08 Anatomy and Physiology 8th Edition
- 1.5H Paramedic Interactive - Module 09 Pathophysiology 8th Edition
- 30M Paramedic Interactive - Module 10 Life Span Development 8th Edition
- 2H Paramedic Interactive - Module 11 Patient Assessment 8th Edition
- 15M Paramedic Interactive - Module 12 Critical Thinking and Decision Making 8th Edition
- 1.5H Paramedic Interactive - Module 13 Principles of Pharmacology 8th Edition
- 1.5H Paramedic Interactive - Module 14 Medication Administration 8th Edition
- 2H Paramedic Interactive - Module 15 Airway Management 8th Edition
- 1H Paramedic Interactive - Module 16 Respiratory Emergencies 8th Edition
- 2.5H Paramedic Interactive - Module 17 Cardiovascular Emergencies 8th Edition
- 1H Paramedic Interactive - Module 18 Neurologic Emergencies 8th Edition
- 30M Paramedic Interactive - Module 19 Diseases of the Eyes, Ears, Nose, and Throat 8th Edition
- 30M Paramedic Interactive - Module 20 Abdominal and Gastrointestinal Emergencies 8th Edition
- 15M Paramedic Interactive - Module 21 Genitourinary and Renal Emergencies 8th Edition
- 30M Paramedic Interactive - Module 22 Gynecologic Emergencies 8th Edition
- 1H Paramedic Interactive - Module 23 Endocrine Emergencies 8th Edition
- 15M Paramedic Interactive - Module 24 Hematologic Emergencies 8th Edition

30M Paramedic Interactive - Module 25 Immunologic Emergencies 8th Edition

1H Paramedic Interactive - Module 26 Infectious Diseases 8th Edition

1H Paramedic Interactive - Module 27 Toxicology 8th Edition

1H Paramedic Interactive - Module 28 Psychiatric Emergencies 8th Edition

1.5H Paramedic Interactive - Module 29 Trauma Systems and Mechanism of Injury 8th Edition

1H Paramedic Interactive - Module 30 Bleeding 8th Edition

15M Paramedic Interactive - Module 31 Soft-Tissue Trauma 8th Edition

1H Paramedic Interactive - Module 32 Burns 8th Edition

1H Paramedic Interactive - Module 33 Face and Neck Trauma 8th Edition

1.5H Paramedic Interactive - Module 34 Head and Spine Trauma 8th Edition

15M Paramedic Interactive - Module 35 Chest Trauma 8th Edition

30M Paramedic Interactive - Module 36 Abdominal and Genitourinary Trauma 8th Edition

30M Paramedic Interactive - Module 37 Orthopaedic Trauma 8th Edition

1.5H Paramedic Interactive - Module 38 Environmental Emergencies 8th Edition

30M Paramedic Interactive - Module 39 Responding to the Field Code 8th Edition

1.5H Paramedic Interactive - Module 40 Management and Resuscitation of the Critical Patient 8th Edition

1H Paramedic Interactive - Module 41 Obstetrics 8th Edition

1H Paramedic Interactive - Module 42 Neonatal Care 8th Edition

1.5H Paramedic Interactive - Module 43 Pediatric Emergencies 8th Edition

2.5H Paramedic Interactive - Module 44 Geriatric Emergencies 8th Edition

2.5H Paramedic Interactive - Module 45 Patients With Special Challenges 8th Edition

1H Paramedic Interactive - Module 46 Transport Operations 8th Edition

30M Paramedic Interactive - Module 47 Incident Management and Mass-Casualty Incidents 8th Edition

1.5H Paramedic Interactive - Module 48 Vehicle Extrication and Special Rescue 8th Edition

* Jones and Bartlett courses available as an add-on to agency subscriptions and to individual subscribers.

PATIENT HANDLING

1H Patient Assessment and Exam

PEDIATRIC CARE

1H Children with Complex Medical Conditions

1H Pediatric Assessment

1H Pediatric Respiratory Emergencies

PRODUCTS AND TECHNOLOGIES FOR EMS

1H Body Armor and the Changing Landscape of Public Safety

TRAUMA

1.5H Trauma EMS1



Biography

COURSE NAME: Fire/Rescue 1 Academy

SUBMITTED BY: Robert Ginther, SMOKE #550703

FORMAT: Lecture/Practical

COURSE HOURS: Variable

NUMBER OF INSTRUCTORS: Variable

INSTRUCTOR FEE LIMIT: \$50,000.00 (for the purchase of multiple subscriptions)

REFERENCES: NFPA 472, NFPA 473, NFPA 1001, NFPA 1002, NFPA 1006, NFPA 1021, NFPA 1031, NFPA 1401, NFPA 1500

DESCRIPTION: Fire Rescue1 Academy offers a robust training library of online fire courses that are developed using industry-based standards. Courses use the latest evidence-based practices and follow current guidelines set by the National Fire Protection Association (NFPA). The offered content is proprietary, with additional supplemental courses offered in partnership with Jones & Bartlett Learning that have been reviewed by the International Association of Fire Chiefs (IAFC). The training is designed for current fire professionals and can be used toward recertification or as refresher training.

FireRescue1 Academy courses are approved or accepted by the following agencies:

- [Florida State Fire College](#) – Approved
- [Kentucky Fire Commission](#) – Approved
- [Michigan Department of Licensing and Regulatory Affairs \(LARA\)/Michigan Bureau of Fire Services for Fire Inspector](#) – Approved
- Michigan Department of Licensing and Regulatory Affairs (LARA)/Michigan Bureau of Fire Services for [Fire Instructor](#) – Accepted
- Missouri Division of Fire Safety / Office of the State Fire Marshal – Approved
- [Ohio Department of Public Safety](#) – Accepted
- Pennsylvania Department of Labor & Industry – Approved
- [Tennessee State Fire Marshal's Office](#) – Approved
- [Texas Commission on Fire Protection](#) – Accepted



"Q" COURSE APPLICATION

FMQ23-022

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, Fire Fighter Training Division
P.O. Box 30700 Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV

To add a seminar/course/workshop to be credentialed in SMOKE, submit this application and all required documents to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV. The information provided will be reviewed and if complete will be forwarded to the Michigan Fire Fighters Training Council (MFFTC) for curriculum consideration at the next scheduled MFFTC meeting. All applications must be received by the close of business two weeks before the scheduled MFFTC meeting date to be included on the agenda.

SECTION I

Name of Instructor:

Aaron Heller

Instructor's Street Address:

19 McGuire St.

City:

Wrightstown

State:

NJ

Zip Code:

08562

Instructor's Cell Phone Number:

609-743-0166

Instructor's Email:

ajh3901@hotmail.com

SECTION II

Name of Course/Seminar/Workshop:

Mitigating New Vehicle Technology Extrications and Electric Vehicle Fire Challenges

Flyer Attached:



Course Overview Attached:



Instructor(s) Biography Attached:



Goals, Objectives, Course Outline

Must provide a brief course description (100 words or less):

Students will gain an understanding of how vehicles have changed and will continue to change, along with the extrication and vehicle fire challenges these changes have created for responders. New metallurgy, design, construction, the glass standard (and its effects on construction), and safety system changes are addressed, as are new vehicle fire challenges presented by hybrids, EVs, addition of class D combustible metals, and lithium ion battery-fueled fires. Reevaluation of current methods, tactics, and equipment is a recurrent theme. Changes, advances, and limitations in current fire and rescue technology are also covered.

Must list the applicable NFPA standard(s):

NFPA 1670

Student Capacity: 30

Total Hours of Training: 20

Total Cost: 12000

SECTION III

Instructor's Signature:

Date:

5/18/2023

BFS USE ONLY

Date Approved by MFFTC:

"Q" Course Number Assigned:

Date Course Catalog Updated:

Lesson Plan

Topic: Mitigating New Vehicle Technologies

Presenter: Aaron Heller and Carl Haddon

Location: Various

Credit Category:

Specific Topic:

License Level:

Date: Various

Time:

Credits:

Format:

Goals for Presentation: Goal of the program is to give the students a better understanding of how vehicles have changed and will continue changing as well as the challenges this presents for extrications and fires

Objectives: The participant of the CE session will:

- I. Explain how vehicles have changed and continue to change
- II. Describe the extrication and vehicle fire challenges these changes have created.
- III. Describe how new metallurgy has affected extrications and fires.
- IV. Explain how new design and construction have affected extrications and fires
- V. Describe the new glass standard and how it has affected construction.
- VI. Explain the safety system changes in the new generation of vehicles.
- VII. Describe the vehicle fire challenges as it relates to EV's.
- VIII. Explain the changes, advances and limitations of the new fire rescue tools and equipment.

Outline for Presentation:

- I. Explain how vehicles have changed and continue to change
- II. Describe the extrication and vehicle fire challenges these changes have created.
- III. Describe how new metallurgy has affected extrications and fires.
- IV. Explain how new design and construction have affected extrications and fires
- V. Describe the new glass standard and how it has affected construction.
- VI. Explain the safety system changes in the new generation of vehicles.
- VII. Describe the vehicle fire challenges as it relates to EV's.
- VIII. Explain the changes, advances and limitations of the new fire rescue tools and equipment.
- IV. Identify the multiple different vehicle components.
- V. Demonstrate proper tool operations both hydraulic and mechanical.
- VI. Demonstrate proper basic and advanced vehicle stabilization.
- VII. Demonstrate various cutting and spreading operations under different conditions.
- VIII. Demonstrate proper glass management with today's glass construction.
- IX. Participate in multiple patient entrapment scenarios, performing extrications involving, vehicle stabilization, patient access, vehicle lifting and moving using both traditional and non-traditional tool evolutions

Student Evaluation Method:

No formal evaluation of participants will occur.

Evaluation of Presentation:

Standard Program Evaluation form will be filled out by participants.

Bio's

Aaron Heller began his fire service career in 1984. He is a Deputy Chief in the Hamilton NJ Fire Department assigned to oversee the Training Division. He previously served as the Fire Chief for the Hamilton Township Fire District #9. Deputy Chief Heller is a NJ Level 2 instructor, fire official, and EMT. He is a past chief of the New Egypt Volunteer Fire Company and past chairman of the Plumsted Township Board of Fire Commissioners. Heller is a senior instructor with the Mercer County Fire Academy. Heller instructs and has been a presenter at several national, regional, and local training events throughout the United States and abroad. He has been published in Fire Engineering Magazine, Fire & Rescue Magazine, The Fire Department Training Network, and several local publications. He is a former co-host of Fire Engineering's Humpday Hangout on Training. Aaron is a founding member of the Jersey F.O.O.L.S chapter of the Fraternal Order Of Leatherhead Society. Heller holds a Bachelor of Science degree in Fire Science from Columbia Southern University. He is the owner of On Scene Training Associates, LLC.

Carl J. Haddon started his fire service career in 1983 in Southern California. Since the early 1980s he has also served as a fire/safety director for numerous racing organizations, including Penske Motorsports, NASCAR, USAC and Mickey Thompson Racing. Carl also does consulting work for several fire service equipment manufacturers. Carl served as Asst. Chief and Fire Commissioner for North Fork F.D. in Idaho. He presently serves as a S.O.C. Rescue Specialist / Trainer for the State of Idaho and is assigned to the Salmon (River) Task Force. As a level 2 instructor, Carl has taught fire / rescue programs and done emergency planning across the U.S., China, and the South Pacific. He has been an FDIC instructor since 2012 and is a monthly columnist for Fire Apparatus Magazine (To the Rescue & Rurally Speaking) and is a member of the Fire Apparatus & Emergency Equipment Magazine editorial advisory board.



MAFC presents

New Vehicle Technology Extrication Operations

This course meets or exceeds NFPA 1670 and includes a 3-4 hour Mitigating New Vehicle Technology Extrications and Electric Vehicle Fire Challenges presentation along with Operations Level Hands-On Training.

Sept 22 6pm & Sept 23-24 8am-4pm

Location: In Muskegon County, To Be Determined

Student Fee: \$50 Lunch Included

NFPA Compliant Protective Equipment Required

register at <https://forms.gle/AhFP9BJ4ez9DpFax5>

Course Manager: Mark.Cleveland@MCD911.net

Mitigating New Vehicle Technology Extrications and Electric Vehicle Fire Challenges

Students will gain an understanding of how vehicles have changed and will continue to change, along with the extrication and vehicle fire challenges these changes have created for responders. New metallurgy, design, construction, the glass standard (and its effects on construction), and safety system changes are addressed, as are new vehicle fire challenges presented by hybrids, EVs, addition of class D combustible metals, and lithium ion battery-fueled fires. Reevaluation of current methods, tactics, and equipment is a recurrent theme. Changes, advances, and limitations in current fire and rescue technology are also covered. This program is based on the first-hand, ongoing relationship between the instructor and automotive engineers at Volvo, Ford, Mercedes Benz, and lithium ion vehicle battery manufacturers.

Hands-On Training

2 days of vehicle component familiarization, tool familiarization (hydraulic and mechanical), vehicle stabilization, cutting operations, spreading operations, glass management, and multiple vehicle scenario-based evolutions utilizing the vehicles provided. These scenarios will include multiple patient entrapments with challenges in vehicle stabilization, patient access, vehicle lifting and moving, and non-traditional tool evolutions.



onscenetraining.com



"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, Fire Fighter Training Division
P.O. Box 30700 Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV

FMQ23-023

To add a seminar/course/workshop to be credentialed in SMOKE, submit this application and all required documents to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV. The information provided will be reviewed and if complete will be forwarded to the Michigan Fire Fighters Training Council (MFFTC) for curriculum consideration at the next scheduled MFFTC meeting. All applications must be received by the close of business two weeks before the scheduled MFFTC meeting date to be included on the agenda.

SECTION I

Name of Instructor:

Ted Lilley & Eric Abbott

Instructor's Street Address:

(Ted) 985 Lake Jason Drive (Eric - 1804 Iroquois Trail, National City, MI 48748)

City:

White Lake

State:

MI

Zip Code:

48386

Instructor's Cell Phone Number:

Ted-248.830.8893 Eric-906.364.5316

Instructor's Email:

(Ted) TdLilly32@gmail.com

(Eric) 222atrain@gmail.com

SECTION II

Name of Course/Seminar/Workshop:

Managing Rural Water Supply

Flyer Attached: ☒

Course Overview Attached: ☒

Goals, Objectives, Course Outline

Instructor(s) Biography Attached: ☒

Must provide a brief course description (100 words or less):

Fires in rural areas with limited or no municipal water supply create unique challenges that require preparation in training, apparatus and equipment purchasing, operations, and pre-planning. No one should ever be surprised when property is lost by fire due to lack of water supply. If a fire department doesn't plan and practice for it, who will? The rural environment requires strong and educated leadership to overcome these challenges. We will seek to answer three primary questions: How much water do we need? Where is the water? and How can we get the water to the fire? (See attached documents)

Must list the applicable NFPA standard(s):

NFPA 1142, NFPA 1531, NFPA 191

Student Capacity: 20

Total Hours of Training: 16

Total Cost: \$2,500

SECTION III

Instructor's Signature:

(Ted Lilley signed original application)

Date:

May 31, 2023

BFS USE ONLY

Date Approved by MFFTC:

"Q" Course Number Assigned:

Date Course Catalog Updated:

Course Description

Fires in rural areas with limited, or no municipal water supply systems create unique challenges that require preparation in training, apparatus and equipment purchasing, operations, and pre-planning. No one should ever be surprised when property is lost by fire due to a lack of water supply. If fire department doesn't plan and practice for it, who will? The rural environment requires strong and educated leadership to overcome these challenges. We will seek to answer 3 primary questions: How much water do we need? Where is it? And how can we get it to the fire?

This class will review the common methods for determining needed fire flows in routinely built fire districts as well as target hazards and turn those needs into plans and goals for the department to meet before the fire starts. Common misconceptions about pumping abilities and limitations will be discussed and demonstrated.

Strategies and tasks to improve the tanker shuttle cycle will be explored. Efficiency in managing available resource will be emphasized and demonstrated. The use of LDH and pumper relays will be reviewed and practiced. Students are encouraged to bring a calculator as friction loss calculations will be necessary.

All participants will be leave with the knowledge and the challenge to become better at water supply operations through continued training and preplanning.

Objectives

1. Define common and local water supply terms
2. Review the Incident Command System
3. Review the role of a Rural Water Supply Officer
4. Learn how to identify Needed Fire Flows (NFF)
5. Identify available water supply sources within the local response district
6. Identify best practices, using available resources, to obtain NFF
7. Identify and perform best practices, using available resources, to distribute NFF at the fire scene
8. Create training goals and objectives that will improve the local jurisdiction's ability to provide NFFs

Outline

- 1) Define common water supply terms
- 2) Review the Role of a Rural Water Supply Officer
- 3) Identify the current Water Supply needs in the primary response district
 - a) NFPA 1142
 - b) ISO recommendations
- 4) Identify the current water supply availability and capability in the primary response district
 - a) Municipal Supplies
 - b) Hauled Water
 - c) Static Sources
 - d) Portable Pumps
- 5) Identify best practices to obtain the available water for firefighting operations
 - a) Review Pumper capabilities
 - b) Review Friction Loss in LDH
 - c) Review Pumper relays
 - d) Review Tanker Shuttle Formula and operations
- 6) Perform identified best practices to deliver and distribute the available water for firefighting operations
 - a) Nursing from another supply apparatus
 - b) Transitioning to portable tank operations
 - c) Expanded/Multiple portable tank operations
 - d) Above Ground Distribution System
 - e) Pumper Relay
 - f) Thinking outside of the box
- 7) Create a training plan that will increase the department's ability to meet its Water Supply needs.
 - a) Individual Skills
 - b) Company Drills
 - c) Multiple Company Drills

Agenda

Day 1 Lecture

- 1 Establish common terminology for apparatus and procedures
- 2 Define the need for a Water Supply Officer and pre-planning for water resources
 - Pre-incident planning
 - Importance of knowledge and command presence
- 3 Using the local environment, identify fire flows for target and common occupancies
- 4 Using the local environment, identify available water sources that can be utilized for fire protection
- 5 Pump rating vs pump capability
 - theoretical friction loss vs actual friction loss of LDH
 - capability and limitations of pumper relays using LDH
 - review the Tanker Shuttle Formula numbers, theoretical v actual by observing real-time dump and fill operations using local departments' resources (Practical Exercise)

Day 2 Hands-on

- 6 Practical Exercise (AM)
 - establishing a water supply via nurse (from tanker or supply pumper to attack pumper)
 - expand nurse operation to portable tank and drafting operation
 - demonstrate the benefits and limitations of a multiple tank operation
 - supplying water to multiple attack apparatus
 - transitioning from handlines to master/elevated streams

Practical Exercise Evolutions (PM)

- Establish a pumper relay to meet needed fire flow of a target hazard

Debriefing

- Identify needed individual skills training
- Identify needed company skills training
- Identify needed multi-company drills

Biography of Eric Abbott

I began my firefighting career while in college in Eastern Kentucky as a paid-on-call firefighter. It was a fairly busy department, and I learned a lot from these veteran firefighters. I knew then that firefighting would be a passion and an important part of my life.

Once I graduated college, I moved to the U.P. where I joined 2 local departments and became president of the Ironwood Township Fire Dept. At that time, there was no reciprocity between Kentucky and Michigan, so I began my firefighting training over again. I was young in the fire service and had a lot to learn, so it served me well. My full-time job was a high school science and math teacher, and I incorporated as much firefighting applications as I could into my math and science classes. It was interesting for the students and allowed me to continue learning, as well.

Since then, I have moved around a lot and always joined fire departments wherever I have lived. Throughout my 27 years in the fire service, I have held officer positions up to Assistant Chief. I no longer teach in public school and my job for the past 10 years has been the "ISO Guy" for the Northern Michigan areas. I spend considerable time teaching fire departments and communities how to improve their firefighting capabilities and how that impacts their ISO score. Additionally, I am the CTC for Iosco County as well as the coordinator and lead instructor for the Iosco County Fire Academy.

Currently, I am a member of three departments. Two departments in Iosco County, and I also take time to pull shifts in Oakland County, where I also help instruct at their Fire Academy.

Firefighting is a passion of mine as well as instructing. I plan on instructing after my retirement; I believe my unique experiences and ability to educate, particularly in rural settings and smaller departments, will make me a valuable person among the ranks of Michigan Fire Instructors.

Biography for Ted Lilley

I started my fire service career as a Paid-On-Call firefighter with the White Lake Township Fire Department in 1994. In May of 1996 I was hired as a full-time career Firefighter and currently hold the rank of Captain/Paramedic. I have a bachelor's degree in finance and business administration from Oakland University.

I started teaching in the fire service at my own department and after receiving my instructor certification, instructed in local fire academies through the early 2000's. I have enjoy sharing and passing along knowledge. Following a catastrophic fire early in my career, studying and teaching rural water supply operations became a passion. I believe in teaching "beyond the book".

I also have certifications and experience as a Rescue Technician in Rope, Confined Space, Trench, High-Angle, and Structural Collapse, having operated on several technical rescue scenes as a team member and incident commander. I was one of the original members of MI-TF1, as a Planning Team Manager. Was also a member of the Oakland County Incident Management Team and have worked with the team during two tornado responses and several planned events.

I also currently work as an apparatus and foam training specialist for Halt Fire, Inc., the Michigan dealer for Pierce fire apparatus. Since 1996 I have trained in over 40 departments on maintenance and pump operations of their new pumpers and aerial devices.

I have trained firefighters on simple tankers, industrial foam pumpers, platforms, ladders, and many combinations of these.

As my career as a firefighter is nearing in close, I want to continue to put my knowledge and experiences to use through training.

Managing Rural Water Supply

Presented by: Ted Lilley and Eric Abbott

Fires in rural areas with limited, or no municipal water supply systems create unique challenges that require preparation in training, apparatus and equipment purchasing, operations, and pre-planning. No one should ever be surprised when property is lost by fire due to a lack of water supply. If fire department doesn't plan and practice for it, who will? The rural environment requires strong and educated leadership to overcome these challenges. We will seek to answer 3 primary questions: How much water do we need? Where is it? And how can we get it to the fire?

This class will review the common methods for determining needed fire flows in routinely built fire districts as well as target hazards and turn those needs into plans and goals for the department to meet before the fire starts. Common misconceptions about pumping abilities and limitations will be discussed and demonstrated.

Strategies, tactics and tasks to improve the tanker shuttle cycle will be explored. Efficiency in managing available resource will be emphasized and demonstrated. The use of LDH and pumper relays will be reviewed and practiced. Students are encouraged to bring a calculator as friction loss calculations will be necessary.

All participants will be leave with the knowledge and the challenge to become better at water supply operations through continued training and preplanning.

September 9-10, 2023

Grant Township Fire Dept

4049 W. Indian Lake Road

National City, MI 48748

Registration Instructions: Must Register in SMOKE

Notebook and calculator. No cost to students; this is a funded class.

Sponsored by: Grant Township Fire Department

Contact: Eric Abbott

Phone: 906-634-5316

Email: 222atrain@gmail.com OR eric.abbott@iso.com



"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, Fire Fighter Training Division
P.O. Box 30700 Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV

FMQ23-024

To add a seminar/course/workshop to be credentialed in SMOKE, submit this application and all required documents to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV. The information provided will be reviewed and if complete will be forwarded to the Michigan Fire Fighters Training Council (MFFTC) for curriculum consideration at the next scheduled MFFTC meeting. All applications must be received by the close of business two weeks before the scheduled MFFTC meeting date to be included on the agenda.

SECTION I

Name of Instructor:

Andrew Bezenah

Instructor's Street Address:

2020 Cumberland Dr

City:	State:	Zip Code:	Instructor's Cell Phone Number:
Troy	MI	48085	248-521-5453

Instructor's Email:

bandblft@gmail.com

SECTION II

Name of Course/Seminar/Workshop:

Fire Ground Decision Making: Fire Behavior and Thermal Imaging 2 hour course

Flyer Attached: <input checked="" type="checkbox"/>	Course Overview Attached: <input checked="" type="checkbox"/> <small>Goals, Objectives, Course Outline</small>	Instructor(s) Biography Attached: <input checked="" type="checkbox"/>
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Must provide a brief course description (100 words or less):

This course will educate firefighters, fire officers and incident commanders on the importance of recognizing and understanding fire dynamics, the use of thermal imagery and how it will help critical decision making on the fireground. The course will use both classroom and practical live fire using the Max Fire Box phase II.

The use of the Max Fire box phase II will show how tactical thermal imaging enhances a firefighter's decision-making skill set by providing real time thermal data. We will demonstrate how this data allows firefighters to quickly locate the location and severity of the fire.

Must list the applicable NFPA standard(s):

1001, 1021, 1408, 1410, 1521, 1700, 1801

Student Capacity: 25	Total Hours of Training: 2	Total Cost: Upto \$15,000
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SECTION III

Instructor's Signature:

Date:

5/30/23

BFS USE ONLY

Date Approved by MFFTC:	"Q" Course Number Assigned:	Date Course Catalog Updated:
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B&B Live Fire Training

"Teaching the knowledge of our craft to help with critical decision making on the fireground."

Fireground Decision Making: Fire Behavior and Thermal Imaging

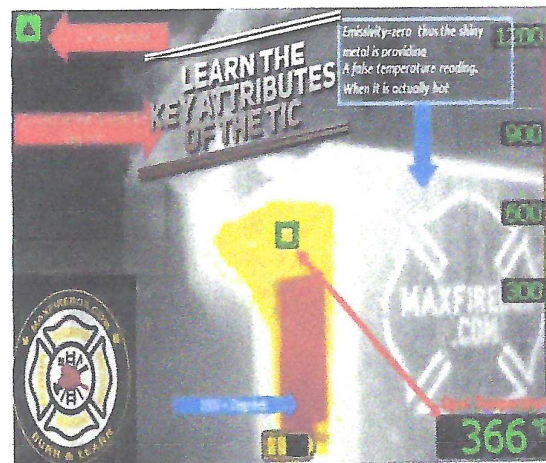
This course will teach fire dynamics, the use of thermal imaging cameras and critical decision making based on live fire training using the Max Fire Box Phase II. The course length will be 2, 4, 8, or 16 hours based on the modules selected.

The modules are listed below:

- Fire Dynamics
- Understanding and Using Thermal Imaging Cameras
- Reading Smoke
- Reading Smoke vs Reading Temperature
- Strategy and Tactics
- Critical Decision Making
- Search and Rescue
- Go no Go Decision Making
- Ventilation Practices
- Enhanced Situational Awareness
- Enhanced Stream Placement
- Size Up Considerations

Contact Information Link

<https://forms.gle/1YkrSnYhwD6Npo8o6>



Email: bandblft@gmail.com

Phone Number: 248-521-5453 or 989-397-8357

WORKSHEET: PLAN OF INSTRUCTION

TITLE	Fire Ground Decision Making: Fire Behavior and Thermal Imaging 2 hours Course
COURSE DESCRIPTION	This course is developed to enhance your knowledge of fire behavior and the use of thermal imaging cameras in the fire service. This class will allow you to understand the development of fire and recognizing hostile fire environments. It also will show why the camera should be utilized, how the camera should be utilized, and when the camera should be utilized.
TIMEFRAME	2 hour class. Classroom modules are 50-minute lectures with 10-minute breaks and burns using the MaxFire Box burn house, 50-minute burn time with 10-minute breaks
MATERIALS / AIDS	Classroom-Laptop, screen, audio, projector Practical-MaxFire Box Phase II burn house
LOCATION	Michigan Fire Departments, Fire Academies, and RTC's
OBJECTIVES	<p>By the end of this course, students will:</p> <ul style="list-style-type: none"> • Understand the different temperature modes • How to read flow paths and flow path management • Learn what a thermal imager can and cannot do • Know the types of emitters • Have a basic understanding on how the thermal imaging camera works • Gain the basic knowledge on the parts of thermal imaging camera • Learn some of the terms related to thermal imaging • Learn how to properly scan an area with a thermal imaging camera • Understand how to properly read and interpret the information the thermal imager is giving to the user • Have the knowledge base to make informed educated decisions based on the information from the thermal imaging camera
PRESENTATION	<p>1.) Terminology</p> <p>A. Dynamic range: overall temperature range or capability of TIC</p> <p>a. Ranges from 0 degrees Fahrenheit to as high as 2000 degrees Fahrenheit</p> <p>B. Field of view (F.O.V.)</p> <p>a. Number of degrees vision the end user has vertically by horizontally</p> <p>b. Varies and is not consistent throughout the fire service</p> <p>c. Narrow FOV produces detailed images, but only able to see small portion of environment</p> <p>d. Wide FOV sees more of the environment with less detail</p> <p>e. Ensure the lens is cleaned periodically for better clarity</p> <p>2.) Temperature Modes</p> <p>A. Minimum of 2 temperature modes</p> <p>a. High sensitivity mode</p> <p>i. Typically from 0-300 degrees Fahrenheit</p> <p>ii. Does not use color to indicate heat, but rather gray scale (white shows heat, except the MSA, Drager & Scott)</p> <p>iii. Greater detail in the image</p>

	<ul style="list-style-type: none"> b. Low sensitivity mode <ul style="list-style-type: none"> i. Ranges from 300 degrees to 2000 degrees Fahrenheit ii. Tic switches to low sensitivity mode when pixels of detector exceed 300 degrees Fahrenheit iii. Fire Service Tics vary on when they switch to low sensitivity when it is related to overall pixels rather than temperature iv. Less detail in the image v. There will be a green triangle present in the left upper corner of the camera c. Tri-Mode Sensitivity <ul style="list-style-type: none"> i. Breaks overall dynamic range into three spans ii. Provides greater detail in each sensitivity mode iii. Can be confusing as firefighters tend to associate color with danger iv. Firefighters must be well trained to be aware of which mode the TIC is in <p>3.) NFPA 1801 Basic Color Palettes</p> <ul style="list-style-type: none"> A. Yellow indicates 300-500 degrees Fahrenheit B. Orange indicates 600-800 degrees Fahrenheit C. Red indicates 900-1200 degrees Fahrenheit D. Each manufacturer has variation (can cause confusion) E. Examples of different modes include: <ul style="list-style-type: none"> a. Fire Attack b. Search and Rescue c. Hot Spot Locator d. Haz-Mat Mode e. Black Hot f. Rainbow g. Iron Bow h. Green Hot <p>4.) Understanding Refresh Rate</p> <ul style="list-style-type: none"> A. Refresh rate is number of frames per second of Hertz (Hz) that the detector identifies B. Human eye sees 27 Hz <ul style="list-style-type: none"> a. Anything less than 30 Hz will lag/screen freeze when a firefighter scans environment <ul style="list-style-type: none"> 1. Can cause misinterpretation of the environment b. Higher refresh rates mean more accurate results c. Switching between high sensitivity to low sensitivity will help determine the camera's refresh rate <p>5.) 360 Size Up</p> <ul style="list-style-type: none"> A. Read the smoke and measure the temperature B. Use Tic to locate the seat of the fire C. Determine building layout D. Locate victims E. Thermal cues for fire location
EVALUATION	The live fire MaxFire Box II session is where we put what we learned in the classroom to our finger tips

OUTSIDE ASSIGNMENT	NONE
TARGET AUDIENCE	<input checked="" type="checkbox"/> INSTRUCTORS <input type="checkbox"/> INSPECTORS <input checked="" type="checkbox"/> FIRE OFFICERS <input checked="" type="checkbox"/> FIREFIGHTER <input type="checkbox"/> FIRE EQUIP DEALER

Instructor Biographies:

Andrew Bezenah has 30 years in the fire service. He served as a volunteer for 5 years at the City of St. Clair fire department. He worked 25 years for the West Bloomfield Fire Department as a full-time firefighter/paramedic, line officer, department training officer and retired as the assistant fire chief. He is a certified Fire Instructor 2 in the state of Michigan. He has taught courses both nationally and internationally. He was the MFSIA Instructor of the year in 2015.

Todd Bradley is a 27-year veteran of the fire service. He has worked at the West Bloomfield Fire Department in Michigan for the past 22 years and his current rank is lieutenant. He has a passion for teaching fire science, fire behavior, strategies, and tactics. He is a certified instructor and is actively involved in leading department training.



"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, Fire Fighter Training Division
P.O. Box 30700 Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV

FMQ23-025

To add a seminar/course/workshop to be credentialed in SMOKE, submit this application and all required documents to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV. The information provided will be reviewed and if complete will be forwarded to the Michigan Fire Fighters Training Council (MFFTC) for curriculum consideration at the next scheduled MFFTC meeting. All applications must be received by the close of business two weeks before the scheduled MFFTC meeting date to be included on the agenda.

SECTION I

Name of Instructor:

Andrew Bezenah

Instructor's Street Address:

2020 Cumberland Dr

City:

Troy

State:

MI

Zip Code:

48085

Instructor's Cell Phone Number:

248-521-5453

Instructor's Email:

bandblft@gmail.com

SECTION II

Name of Course/Seminar/Workshop:

Fire Ground Decision Making: Fire Behavior and Thermal Imaging 4 hour course

Flyer Attached:



Course Overview Attached:
Goals, Objectives, Course Outline



Instructor(s) Biography Attached:



Must provide a brief course description (100 words or less):

This course will educate firefighters, fire officers and incident commanders on the importance of recognizing and understanding fire dynamics, the use of thermal imagery and how it will help critical decision making on the fireground. The course will use both classroom and practical live fire using the Max Fire Box phase II.

The use of the Max Fire box phase II will show how tactical thermal imaging enhances a firefighter's decision-making skill set by providing real time thermal data. We will demonstrate how this data allows firefighters to quickly locate the location and severity of the fire.

Must list the applicable NFPA standard(s):

1001, 1021, 1408, 1410, 1521, 1700, 1801

Student Capacity: 25

Total Hours of Training: 4

Total Cost: Upto \$15,000

SECTION III

Instructor's Signature:

Date:

5/30/22

BFS USE ONLY

Date Approved by MFFTC:

"Q" Course Number Assigned:

Date Course Catalog Updated:



B&B Live Fire Training

"Teaching the knowledge of our craft to help with critical decision making on the fireground."

Fireground Decision Making: Fire Behavior and Thermal Imaging

This course will teach fire dynamics, the use of thermal imaging cameras and critical decision making based on live fire training using the Max Fire Box Phase II. The course length will be 2, 4, 8, or 16 hours based on the modules selected.

The modules are listed below:

- Fire Dynamics
- Understanding and Using Thermal Imaging Cameras
- Reading Smoke
- Reading Smoke vs Reading Temperature
- Strategy and Tactics
- Critical Decision Making
- Search and Rescue
- Go no Go Decision Making
- Ventilation Practices
- Enhanced Situational Awareness
- Enhanced Stream Placement
- Size Up Considerations

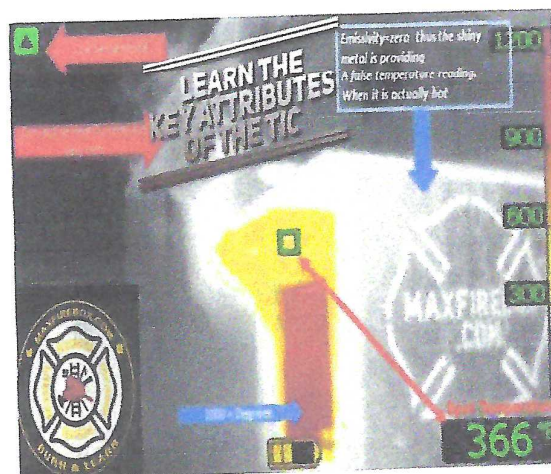
Contact Information Link

<https://forms.gle/1YkrSnYhwD6Npo8o6>



Email: bandblft@gmail.com

Phone Number: 248-521-5453 or 989-397-8357



WORKSHEET: PLAN OF INSTRUCTION

TITLE	Fire Ground Decision Making: Fire Behavior and Thermal Imaging 4 hour course
COURSE DESCRIPTION	This course is developed to enhance your knowledge of fire behavior and the use of thermal imaging cameras in the fire service. This class will allow you to understand the development of fire and recognizing hostile fire environments. It also will show why the camera should be utilized, how the camera should be utilized, and when the camera should be utilized.
TIMEFRAME	4, hour class. Classroom modules are 50-minute lectures with 10-minute breaks and burns using the MaxFire Box burn house, 50-minute burn time with 10-minute breaks
MATERIALS / AIDS	Classroom-Laptop, screen, audio, projector Practical-MaxFire Box Phase II burn house
LOCATION	Michigan Fire Departments, Fire Academies, and RTC's
OBJECTIVES	<p>By the end of this course, students will:</p> <ul style="list-style-type: none"> • Understand Fire Dynamics • Know the different hostile fire events • Learn how to read smoke • How to read flow paths and flow path management • Learn what a thermal imager can and cannot do • Know the types of emitters • Have a basic understanding on how the thermal imaging camera works • Gain the basic knowledge on the parts of thermal imaging camera • Learn some of the terms related to thermal imaging • Learn how to properly scan an area with a thermal imaging camera • Understand how to properly read and interpret the information the thermal imager is giving to the user • Have the knowledge base to make informed educated decisions based on the information from the thermal imaging camera • Gain the understanding and knowledge base to use the camera in the following practical applications: <ul style="list-style-type: none"> ○ Search and rescue ○ Go / No Go situations ○ Ventilation ○ Overhaul ○ Scene size up ○ Motor vehicle accidents ○ Electrical emergencies ○ And other applications you may have never thought of
PRESENTATION	<ol style="list-style-type: none"> 1. Fire Dynamics <ol style="list-style-type: none"> a. Fire definition b. Heat transfer c. Fire development d. Fire stages e. Measuring fire

2. Hostile Fire Events
 - a. Pyrolysis
 - b. Flashover
 - c. Vent Point Ignition
 - d. Backdraft
3. Reading Smoke
 - a. Volume
 - b. Velocity
 - c. Density
 - d. Color
4. Flow Path
 - a. Unidirectional
 - b. Bi Directional
5. What is a Thermal Imager?
6. TIC Limitations
7. Limitations of the user
8. Emitters
 - a. Active
 - b. Passive
 - c. Direct
9. Parts of an imager
 - a. Optics
 - b. Resolution
 - c. Display
10. How to read a TIC
 - a. TI Basic
 - b. TI Basic Plus
 - c. Direct Temperature Measurement
11. Practical Applications
 - a. Size Up
 - b. RIT
 - c. Transitional attack
 - d. Numbering the walls
 - e. Ventilation
 - f. Overhaul
 - g. Search
 - i. 7-sided approach
 - ii. TIC Directed
 - iii. TIC Lead
 - iv. Point to Points
 - v. VEIS
 - vi. Oriented search
 - vii. Numbering the walls
 - h. Electrical Emergencies
 - i. Motor Vehicle Crashes
 - j. Hazardous Materials
 - k. Ventilation
 - l. Overhaul
 - m. Water Rescue

	n. Outdoor Searches o. Brush Fire 12. Go / No-Go Assessments 13. Summary
EVALUATION	The live fire MaxFire Box II session is where we put what we learned in the classroom to our finger tips
OUTSIDE ASSIGNMENT	NONE
TARGET AUDIENCE	<input checked="" type="checkbox"/> INSTRUCTORS <input type="checkbox"/> INSPECTORS <input checked="" type="checkbox"/> FIRE OFFICERS <input checked="" type="checkbox"/> FIREFIGHTER <input type="checkbox"/> FIRE EQUIP DEALER

Instructor Biographies:

Andrew Bezenah has 30 years in the fire service. He served as a volunteer for 5 years at the City of St. Clair fire department. He worked 25 years for the West Bloomfield Fire Department as a full-time firefighter/paramedic, line officer, department training officer and retired as the assistant fire chief. He is a certified Fire Instructor 2 in the state of Michigan. He has taught courses both nationally and internationally. He was the MFSIA Instructor of the year in 2015.

Todd Bradley is a 27-year veteran of the fire service. He has worked at the West Bloomfield Fire Department in Michigan for the past 22 years and his current rank is lieutenant. He has a passion for teaching fire science, fire behavior, strategies, and tactics. He is a certified instructor and is actively involved in leading department training.



"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, Fire Fighter Training Division
P.O. Box 30700 Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV

FMQ23-026

To add a seminar/course/workshop to be credentialed in SMOKE, submit this application and all required documents to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV. The information provided will be reviewed and if complete will be forwarded to the Michigan Fire Fighters Training Council (MFFTC) for curriculum consideration at the next scheduled MFFTC meeting. All applications must be received by the close of business two weeks before the scheduled MFFTC meeting date to be included on the agenda.

SECTION I

Name of Instructor:

Andrew Bezenah

Instructor's Street Address:

2020 Cumberland Dr

City:

Troy

State:

MI

Zip Code:

48085

Instructor's Cell Phone Number:

248-521-5453

Instructor's Email:

bandblft@gmail.com

SECTION II

Name of Course/Seminar/Workshop:

Fire Ground Decision Making: Fire Behavior and Thermal Imaging 8 hour course

Flyer Attached:



Course Overview Attached:

Goals, Objectives, Course Outline



Instructor(s) Biography Attached:



Must provide a brief course description (100 words or less):

This course will educate firefighters, fire officers and incident commanders on the importance of recognizing and understanding fire dynamics, the use of thermal imagery and how it will help critical decision making on the fireground. The course will use both classroom and practical live fire using the Max Fire Box phase II.

The use of the Max Fire box phase II will show how tactical thermal imaging enhances a firefighter's decision-making skill set by providing real time thermal data. We will demonstrate how this data allows firefighters to quickly locate the location and severity of the fire.

Must list the applicable NFPA standard(s):

1001, 1021, 1408, 1410, 1521, 1700, 1801

Student Capacity: 25

Total Hours of Training: 8

Total Cost: Upto \$15,000

SECTION III

Instructor's Signature:

Date:

5/30/23

BFS USE ONLY

Date Approved by MFFTC:

"Q" Course Number Assigned:

Date Course Catalog Updated:



B&B Live Fire Training

"Teaching the knowledge of our craft to help with critical decision making on the fireground."

Fireground Decision Making: Fire Behavior and Thermal Imaging

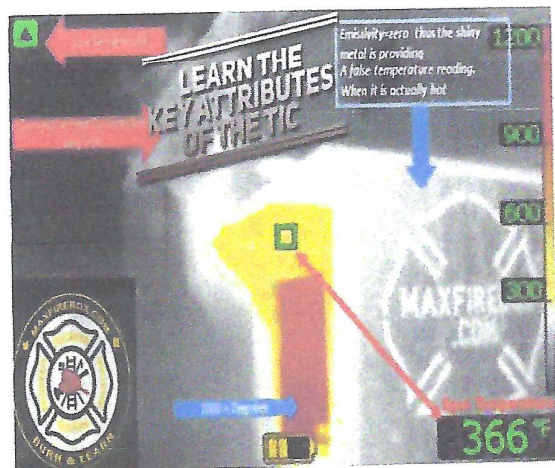
This course will teach fire dynamics, the use of thermal imaging cameras and critical decision making based on live fire training using the Max Fire Box Phase II. The course length will be 2, 4, 8, or 16 hours based on the modules selected.

The modules are listed below:

- Fire Dynamics
- Understanding and Using Thermal Imaging Cameras
- Reading Smoke
- Reading Smoke vs Reading Temperature
- Strategy and Tactics
- Critical Decision Making
- Search and Rescue
- Go no Go Decision Making
- Ventilation Practices
- Enhanced Situational Awareness
- Enhanced Stream Placement
- Size Up Considerations

Contact Information Link

<https://forms.gle/1YkrSnYhwD6Npo8o6>



Email: bandblft@gmail.com

Phone Number: 248-521-5453 or 989-397-8357

WORKSHEET: PLAN OF INSTRUCTION

TITLE	Fire Ground Decision Making: Fire Behavior and Thermal Imaging 8 hour course
COURSE DESCRIPTION	This course is developed to enhance your knowledge of fire behavior and the use of thermal imaging cameras in the fire service. This class will allow you to understand the development of fire and recognizing hostile fire environments. It also will show why the camera should be utilized, how the camera should be utilized, and when the camera should be utilized.
TIMEFRAME	8 hour class. Classroom modules are 50-minute lectures with 10-minute breaks and burns using the MaxFire Box burn house, 50-minute burn time with 10-minute breaks
MATERIALS / AIDS	Classroom-Laptop, screen, audio, projector Practical-MaxFire Box Phase II burn house
LOCATION	Michigan Fire Departments, Fire Academies, and RTC's
OBJECTIVES	<p>By the end of this course, students will:</p> <ul style="list-style-type: none"> • Understand Fire Dynamics • Know the different hostile fire events • Learn how to read smoke • Learn how to read buildings • How to read flow paths and flow path management • Learn what a thermal imager can and cannot do • Know the types of emitters • Have a basic understanding on how the thermal imaging camera works • Gain the basic knowledge on the parts of thermal imaging camera • Learn some of the terms related to thermal imaging • Learn how to properly scan an area with a thermal imaging camera • Understand how to properly read and interpret the information the thermal imager is giving to the user • Have the knowledge base to make informed educated decisions based on the information from the thermal imaging camera • Gain the understanding and knowledge base to use the camera in the following practical applications: <ul style="list-style-type: none"> ○ Search and rescue ○ Go / No Go situations ○ Ventilation ○ Overhaul ○ Scene size up ○ Motor vehicle accidents ○ Electrical emergencies ○ And other applications you may have never thought of
PRESENTATION	<ol style="list-style-type: none"> 1. Fire Dynamics <ol style="list-style-type: none"> a. Fire definition b. Heat transfer c. Fire development d. Fire stages e. Measuring fire

2. Hostile Fire Events
 - a. Pyrolysis
 - b. Flashover
 - c. Vent Point Ignition
 - d. Backdraft
3. Reading Smoke
 - a. Volume
 - b. Velocity
 - c. Density
 - d. Color
4. Reading Buildings
 - a. Type
 - b. Era
 - c. Use
 - d. Size
5. Flow Path
 - a. Unidirectional
 - b. Bi Directional
6. What is a Thermal Imager?
7. TIC Limitations
8. Limitations of the user
9. Emitters
 - a. Active
 - b. Passive
 - c. Direct
10. Parts of an imager
 - a. Optics
 - b. Resolution
 - c. Display
11. How to read a TIC
 - a. TI Basic
 - b. TI Basic Plus
 - c. Direct Temperature Measurement
12. Practical Applications
 - a. Size Up
 - b. RIT
 - c. Transitional attack
 - d. Numbering the walls
 - e. Ventilation
 - f. Overhaul
 - g. Search
 - i. 7-sided approach
 - ii. TIC Directed
 - iii. TIC Lead
 - iv. Point to Points
 - v. VEIS
 - vi. Oriented search
 - vii. Numbering the walls

	<ul style="list-style-type: none"> h. Electrical Emergencies i. Motor Vehicle Crashes j. Hazardous Materials k. Ventilation l. Overhaul m. Water Rescue n. Outdoor Searches o. Brush Fire <p>13. Go / No-Go Assessments</p> <p>14. Summary</p>
EVALUATION	The live fire MaxFire Box II session is where we put what we learned in the classroom to our finger tips
OUTSIDE ASSIGNMENT	NONE
TARGET AUDIENCE	<input checked="" type="checkbox"/> INSTRUCTORS <input type="checkbox"/> INSPECTORS <input checked="" type="checkbox"/> FIRE OFFICERS <input checked="" type="checkbox"/> FIREFIGHTER <input type="checkbox"/> FIRE EQUIP DEALER

Instructor Biographies:

Andrew Bezenah has 30 years in the fire service. He served as a volunteer for 5 years at the City of St. Clair fire department. He worked 25 years for the West Bloomfield Fire Department as a full-time firefighter/paramedic, line officer, department training officer and retired as the assistant fire chief. He is a certified Fire Instructor 2 in the state of Michigan. He has taught courses both nationally and internationally. He was the MFSIA Instructor of the year in 2015.

Todd Bradley is a 27-year veteran of the fire service. He has worked at the West Bloomfield Fire Department in Michigan for the past 22 years and his current rank is lieutenant. He has a passion for teaching fire science, fire behavior, strategies, and tactics. He is a certified instructor and is actively involved in leading department training.



"Q" COURSE APPLICATION

Michigan Department of Licensing & Regulatory Affairs
Bureau of Fire Services, Fire Fighter Training Division
P.O. Box 30700 Lansing, MI 48909
Email: LARA-BFS-SMOKE@MICHIGAN.GOV

FMQ23-027

To add a seminar/course/workshop to be credentialed in SMOKE, submit this application and all required documents to the following email address: LARA-BFS-SMOKE@MICHIGAN.GOV. The information provided will be reviewed and if complete will be forwarded to the Michigan Fire Fighters Training Council (MFFTC) for curriculum consideration at the next scheduled MFFTC meeting. All applications must be received by the close of business two weeks before the scheduled MFFTC meeting date to be included on the agenda.

SECTION I

Name of Instructor:

Andrew Bezenah

Instructor's Street Address:

2020 Cumberland Dr

City:

Troy

State:

MI

Zip Code:

48085

Instructor's Cell Phone Number:

248-521-5453

Instructor's Email:

bandblft@gmail.com

SECTION II

Name of Course/Seminar/Workshop:

Fire Ground Decision Making: Fire Behavior and Thermal Imaging 16 hour course

Flyer Attached: ☒

Course Overview Attached: ☒

Goals, Objectives, Course Outline

Instructor(s) Biography Attached: ☒

Must provide a brief course description (100 words or less):

This course will educate firefighters, fire officers and incident commanders on the importance of recognizing and understanding fire dynamics, the use of thermal imagery and how it will help critical decision making on the fireground. The course will use both classroom and practical live fire using the Max Fire Box phase II.

The use of the Max Fire box phase II will show how tactical thermal imaging enhances a firefighter's decision-making skill set by providing real time thermal data. We will demonstrate how this data allows firefighters to quickly locate the location and severity of the fire.

Must list the applicable NFPA standard(s):

1001, 1021, 1408, 1410, 1521, 1700, 1801

Student Capacity: 25

Total Hours of Training: 16

Total Cost: Upto \$15,000

SECTION III

Instructor's Signature:

Date:

5/30/23

BFS USE ONLY

Date Approved by MFFTC:

"Q" Course Number Assigned:

Date Course Catalog Updated:



B&B Live Fire Training

"Teaching the knowledge of our craft to help with critical decision making on the fireground."

Fireground Decision Making: Fire Behavior and Thermal Imaging

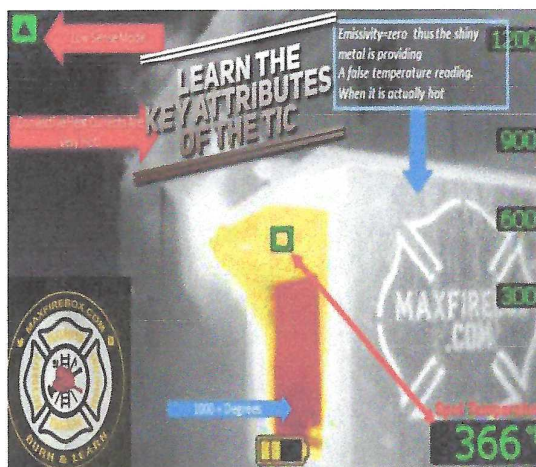
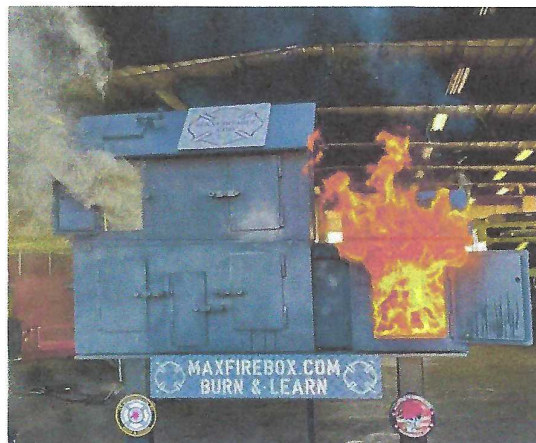
This course will teach fire dynamics, the use of thermal imaging cameras and critical decision making based on live fire training using the Max Fire Box Phase II. The course length will be 2, 4, 8, or 16 hours based on the modules selected.

The modules are listed below:

- Fire Dynamics
- Understanding and Using Thermal Imaging Cameras
- Reading Smoke
- Reading Smoke vs Reading Temperature
- Strategy and Tactics
- Critical Decision Making
- Search and Rescue
- Go no Go Decision Making
- Ventilation Practices
- Enhanced Situational Awareness
- Enhanced Stream Placement
- Size Up Considerations

Contact Information Link

<https://forms.gle/1YkrSnYhwD6Npo8o6>



Email: bandblft@gmail.com

Phone Number: 248-521-5453 or 989-397-8357

Instructor Biographies:

Andrew Bezenah has 30 years in the fire service. He served as a volunteer for 5 years at the City of St. Clair fire department. He worked 25 years for the West Bloomfield Fire Department as a full-time firefighter/paramedic, line officer, department training officer and retired as the assistant fire chief. He is a certified Fire Instructor 2 in the state of Michigan. He has taught courses both nationally and internationally. He was the MFSIA Instructor of the year in 2015.

Todd Bradley is a 27-year veteran of the fire service. He has worked at the West Bloomfield Fire Department in Michigan for the past 22 years and his current rank is lieutenant. He has a passion for teaching fire science, fire behavior, strategies, and tactics. He is a certified instructor and is actively involved in leading department training.

WORKSHEET: PLAN OF INSTRUCTION

TITLE	Fire Ground Decision Making: Fire Behavior and Thermal Imaging 16 hour course
COURSE DESCRIPTION	This course is developed to enhance your knowledge of fire behavior and the use of thermal imaging cameras in the fire service. This class will allow you to understand the development of fire and recognizing hostile fire environments. It also will show why the camera should be utilized, how the camera should be utilized, and when the camera should be utilized.
TIMEFRAME	16 hour class. Classroom modules are 50-minute lectures with 10-minute breaks and burns using the MaxFire Box burn house, 50-minute burn time with 10-minute breaks
MATERIALS / AIDS	Classroom-Laptop, screen, audio, projector Practical-MaxFire Box Phase II burn house
LOCATION	Michigan Fire Departments, Fire Academies, and RTC's
OBJECTIVES	<p>By the end of this course, students will:</p> <ul style="list-style-type: none"> • Understand Fire Dynamics • Know the different hostile fire events • Learn how to read smoke • Learn about Building Construction • Learn how to read buildings • Learn to how to recognize building collapse potential • Learn how to read risk on the fireground • Learn how read risk in the go/no go situations • How to read flow paths and flow path management • Learn what a thermal imager can and cannot do • Know the types of emitters • Have a basic understanding on how the thermal imaging camera works • Gain the basic knowledge on the parts of thermal imaging camera • Learn some of the terms related to thermal imaging • Learn how to properly scan an area with a thermal imaging camera • Understand how to properly read and interpret the information the thermal imager is giving to the user • Have the knowledge base to make informed educated decisions based on the information from the thermal imaging camera • Gain the understanding and knowledge base to use the camera in the following practical applications: <ul style="list-style-type: none"> ○ Search and rescue ○ Go / No Go situations ○ Ventilation ○ Overhaul ○ Scene size up ○ Motor vehicle accidents ○ Electrical emergencies ○ And other applications you may have never thought of
PRESENTATION	<ol style="list-style-type: none"> 1. Fire Dynamics <ol style="list-style-type: none"> a. Fire definition

- b. Heat transfer
 - c. Fire development
 - d. Fire stages
 - e. Measuring fire
- 2. Hostile Fire Events
 - a. Pyrolysis
 - b. Flashover
 - c. Vent Point Ignition
 - d. Backdraft
- 3. Reading Smoke
 - a. Volume
 - b. Velocity
 - c. Density
 - d. Color
 - e. Sets and reps
- 4. Building Construction
 - a. Column
 - b. Beam
 - c. Girder
 - d. Lintel
 - e. Truss
- 5. Reading Buildings
 - a. Type
 - b. Era
 - c. Use
 - d. Size
 - e. Sets and Reps
- 6. Predicting Collapse Potential
 - a. Imposition and resistance of loads
 - b. Characteristics of Materials
 - c. Structural hierarchy
 - d. Construction Classifications
 - e. 5 step algorithm for predicting collapse
 - i. Classify the building
 - ii. What is heated/burning
 - iii. Determine weak links
 - iv. Fireground clock
 - v. Judging collapse potential
- 7. Reading Risk
 - a. Situational Awareness
 - b. Collect cues and clues
 - c. Analyze
 - d. Judge risk taking
 - e. Sets and reps
- 8. Art of Go/No Go
 - a. Rescue profile
 - b. Survivable spaces
 - c. Suspicion or confirmation of savable victims
 - d. Building profile

- e. Collapse potential
- f. Type of construction
- g. Types of occupancies
- h. Prior knowledge of building
- i. Fire profile
- j. Exposure profile
- k. Smoke profile
- l. Sets and Reps
- 9. Practical Video exercises
- 10. Flow Path
 - a. Unidirectional
 - b. Bi Directional
- 11. What is a Thermal Imager?
- 12. TIC Limitations
- 13. Limitations of the user
- 14. Emitters
 - a. Active
 - b. Passive
 - c. Direct
- 15. Parts of an imager
 - a. Optics
 - b. Resolution
 - c. Display
- 16. How to read a TIC
 - a. TI Basic
 - b. TI Basic Plus
 - c. Direct Temperature Measurement
- 17. Practical Applications
 - a. Size Up
 - b. RIT
 - c. Transitional attack
 - d. Numbering the walls
 - e. Ventilation
 - f. Overhaul
 - g. Search
 - i. 7-sided approach
 - ii. TIC Directed
 - iii. TIC Lead
 - iv. Point to Points
 - v. VEIS
 - vi. Oriented search
 - vii. Numbering the walls
 - h. Electrical Emergencies
 - i. Motor Vehicle Crashes
 - j. Hazardous Materials
 - k. Ventilation
 - l. Overhaul
 - m. Water Rescue
 - n. Outdoor Searches

	o. Brush Fire 18. Go / No-Go Assessments 19. Summary
EVALUATION	The live fire MaxFire Box II session is where we put what we learned in the classroom to our finger tips
OUTSIDE ASSIGNMENT	NONE
TARGET AUDIENCE	<input checked="" type="checkbox"/> INSTRUCTORS <input type="checkbox"/> INSPECTORS <input checked="" type="checkbox"/> FIRE OFFICERS <input checked="" type="checkbox"/> FIREFIGHTER <input type="checkbox"/> FIRE EQUIP DEALER