

	Northeastern Illinois Public Safety Training Academy	
	Course Syllabus	403
Title: Fire Incident Safety Officer		Program Duration: 40 Hours
Type: Campus Training Program (CTP)		Coordinator: S. Exo

Course Description

NIPSTA's Fire Department Incident Safety Officer program is designed to exceed the requirements outlined by the Illinois Office of the State Fire Marshal ("OSFM"), and provides students with the knowledge and skills needed to perform as an Incident Safety Officer, as defined by NFPA 1521. NIPSTA's Fire Department Incident Safety Officer program resented in two (2) "Phases":

- Phase I - Education: Presented via eight (8) hours of online learning and reading.
- Phase II - Practical Application: Presented on campus via thirty two (32) hours of discussion and hands-on exercises (Tuesday through Friday).

Prerequisites

The purpose of pre-requisite course work is to ensure students have sufficient backgrounds to understand the terminology, tactics and practical applications presented in NIPSTA programs. At a minimum, NIPSTA requires successful completion of the following:

- Member of a recognized fire department or brigade
- OSFM Fire Officer I or Company Fire Officer

Attendance

In order to receive a certificate of completion for courses, NIPSTA requires students to be present for all lectures, demonstrations and evolutions.

Safety

NIPSTA Instructors will ensure hazards have been identified and addressed prior to the start of each program. All course safety guidelines are discussed prior to operations. Unsafe actions or behaviors will not be tolerated and will be grounds for dismissal.

Academic Integrity

NIPSTA aspires to the highest possible standards of academic honesty and integrity in all programs as key tenants of the NIPSTA experience. NIPSTA Instructors set forth clear ethical expectations, promote consistency of standards, and encourage reporting of dishonest and unsafe behaviors. While education though participation is the central goal for every NIPSTA program, it is only possible when honesty and integrity are part of the overall mission.

Performance Testing & Evaluation

NIPSTA employs multiple methods of measuring competency subject matter, including cognitive and performance skill testing. Cognitive skills will be measured by utilizing a comprehensive written exam at the conclusion of the course. Students must achieve a minimum 70% score to successfully pass the written exam. Performance skill tests measure an individual's ability to perform specific tasks or applications based on given or known JPRs. Unless otherwise specified, performance skill tests will be measured on a pass or fail basis.

ADA Compliance

Students with a documented disabilities, as that term is used in the American with Disabilities Act (ADA), may qualify for reasonable accommodations as defined in section 504 of the Rehabilitation Act of 1973.

Textbook

The following textbook is required for NIPSTA's Incident Safety Officer course:

- Title: *"Fire Department Incident Safety Officer", revised 3rd Edition*
 - ISBN 9781284216554

Pre-course Assignments

The purpose of pre-course assignments is to ensure candidates are prepared to succeed at the onset of the program. The pre-course assignment for NIPSTA's Incident Safety Officer course is as follows:

- **Log-in:** After purchase of your preferred textbook version, redeem your access code and log into Navigate2 using the *course* code provided by the Program Coordinator prior to Phase I.

40 Hour Course Content

Course content is broken into subject area modules or "Mods". NIPSTA's Incident Safety Officer program is comprised of the following Mods:

Mod: Introduction & Orientation
Mod: Phase I Review
Mod: ISO Roles & Responsibilities
Mod: NFPA 1521 Exercise
Mod: Incident Command Exercise
Mod: Laws, Regulations & Standards
Mod: Designing and ISO System
Mod: ISO Program Development Exercise
Mod: Accident Case Study Exercise
Mod: Reading Buildings Discussion
Mod: Reading Smoke Discussion
Mod: Reading Hazardous Energy
Mod: Fire Behavior Exercise
Mod: Risk Evaluation Exercise
Mod: Risk Benefit Exercise
Mod: Reading Firefighters Discussion
Mod: Incidents & Training Responsibilities
Mod: NFPA 1403 Discussion
Mod: ISO Documentation Exercise
Mod: PPE Evaluation Exercise
Mod: Incident Action Plan (IAP) Exercise

Mod: IAP Evaluation Exercise
Mod: ISO Triggers & Traps Discussion
Mod: Working within the ICS structure
Mod: ISO at Structure Fires
Mod: ISO at Wildland Fires
Mod: ISO at HazMat Incidents
Mod: ISO at Technical Rescue Incidents
Mod: Checklist & Guideline Development
Mod: Fireground/Incident Simulation
Mod: Incident Safety Documentation
Mod: Post Incident Responsibilities
Mod: Near-miss & Accident Investigation
Mod: Post Incident Analysis Exercise
Mod: Near-miss & Accident Investigation
Mod: NFA Live Fire Prop & IAP review
Mod: Final Exam
Mod: Fireground Simulation Scenarios
Mod: Live Fire Evolution: Pre-fire Briefing
Mod: Live Fire Evolution: ISO Assignment
Mod: Live Fire Evolution: Rehab
Mod: Post Incident Analysis Exercise

Phase I Course Schedule

This "blended" Phase I format allows students eight (8) course hours to work through the required textbook material beginning one (1) week prior to Phase II. Students are encouraged to follow the five day reading and exercise schedule prior to attending the Phase II session so they can be better prepared to participate in hands-on/group exercises.

Day 1

Read: Chapters 1, 2 & 3

Video: None

Quiz: Chapters 1, 2 & 3 (online via Jones & Bartlett "Navigate2")

Day 2

Read: Chapters 4, 5 & 6

Video: *"The Art of Reading Smoke"* (online via Jones & Bartlett "Navigate2")

Quiz: Chapters 4, 5 & 6 (online via Jones & Bartlett "Navigate2")

Day 3

Read: Chapters 7, 8 & 9

Video:

Quiz: Chapters 7, 8 & 9 (online via Jones & Bartlett "Navigate2")

Day 4

Read: Chapters 10, 11, 12 & 13

Video:

Quiz: Chapters 10, 11, 12 & 13 (online via Jones & Bartlett "Navigate2")

Day 5

Read: Chapters 14, 15, 16 & 17

Video:

Quiz: Chapters 14, 15, 16 & 17 (online via Jones & Bartlett "Navigate2")

Phase II Course Schedule

DAY 1

Morning

Mod: Introduction & Orientation
Mod: Phase I Pre-Course Assignment Review
Mod: ISO Roles & Responsibilities Discussion
Mod: NFPA 1521 Exercise
Mod: Incident Command & the ISO exercise

Afternoon

Mod: Laws, Regulations & Standards Discussion
Mod: Designing and ISO System Discussion
Mod: ISO Program Development Exercise
Mod: Accident Case Study Exercise

DAY 2

Morning

Day 1 Review

Mod: Reading Buildings Discussion
Mod: Reading Smoke Discussion
Mod: Reading Hazardous Energy Discussion
Mod: Fire Behavior Exercise
Mod: Risk Evaluation Exercise
Mod: Risk Benefit Exercise

Afternoon

Mod: Reading Firefighters Discussion
Mod: ISO: Incidents & Training Responsibilities Discussion
Mod: NFPA 1403 Discussion
Mod: Incident Safety Documentation Exercise
Mod: Personal Protective Equipment Evaluation Exercise
Mod: Incident Action Plan (IAP) Exercise
Mod: IAP Re-evaluation Exercise (suspending, altering, terminating operations)

DAY 3

Morning

Day 2 Review

Mod: ISO Triggers & Traps Discussion

Mod: Working within the Incident Command System Discussion

Mod: ISO at Structure & Wildland Fires Discussion

Mod: ISO at Hazardous Materials & Technical Rescue Incidents Discussion

Mod: Checklist & Guideline Development Exercise

Mod: Fireground/Incident Simulation Exercise

Mod: Incident Safety Documentation Exercise

Afternoon

Mod: Post Incident Responsibilities Discussion

Mod: Near-miss & Accident Investigation Discussion

Mod: Post Incident Analysis Exercise

Mod: Near-miss & Accident Investigation Exercise

Mod: NFA Live Fire Prop & IAP review

DAY 4

Morning

Day 3 & Course Review

Mod: Final Exam (online via Jones & Bartlett Navigate2)

Mod: Live Fire Evolution – Pre-fire Briefing & Preparation

Mod: Live Fire Evolution – ISO Fireground Exercise

Afternoon

Mod: “You are the ISO” – Fireground Simulation Scenarios

Mod: Post Incident Analysis Exercise

Mod: Course Evaluation Questionnaire (CEQ)

Reference List

Dodson, D. W. (2017). *Fire Department Incident Safety Officer (revised 3rd ed.)*. Burlington, MA: Jones & Bartlett Learning.

NFPA 1521, Standard for Fire Department Safety Officer Professional Qualifications. (2020). Quincy, MA: National Fire Protection Association.

2015 American Heart Association Guidelines: update for CPR and ECC. (2015). Dallas, TX: American Heart Association.

Federal Emergency Management Agency (FEMA), National Urban Search and Rescue Task Force Safety Officer Student Manual, 2006