

	Northeastern Illinois Public Safety Training Academy	
	Course Syllabus	

Title: Rope Operations Task Book Workshop	Program Duration: 8 hours
Type: Campus Training Program (CTP)	Coordinator: R. Chapman

Course Description

NIPSTA's Rope Operations Task Book Workshop program is designed to meet the requirements set forth by the Illinois Office of the State Fire Marshal (OSFM) for accumulating recertification points for those who hold and wish to recertify their Rope Rescue Operations certification.

This Task Book Workshop is designed to assist rescuers with the completion the OSFM Rope Operations Recertification Task Book (2022). Students will participate in a series of NFPA 1006 requisite skill reviews as well as updated technique and equipment evolutions. Students will leave with a certificate stating that all required JPR proficiencies have been evaluated, completed and updated to the newest industry standards.

Prerequisites

The purpose of prerequisite 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
- Rope Rescue Operations

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 and at a minimum, a one (1) to six (6) instructor to student ratio will be maintained at all times. 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 through 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 job performance requirements (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

There is no textbook required for the Rope Operations Task Book Workshop. Students should bring a copy of their Rope Operations Task Book to the class with all certification and affiliation information completely filled out.

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 assignments for NIPSTA's Rope Ops Task Book Workshop course are as follows:

- Review:** High Angle Rope Rescue Techniques, Levels I & II, 4th Edition
 - ISBN: 9781284136159
- Review:** The Essential Technical Rescue Field Operations Guide, 4th Edition
 - ISBN: 9780967523897

Rope Operations Course Content

Course content is broken into subject area modules or "Mods". NIPSTA's Rope Operations Task Book Workshop is comprised of the following Mods:

Mod: Introduction & Orientation

Mod: Safety & Hazard Identification

Mod: PPE Review & Inspection

Mod: Rescue Hardware

Mod: Rescue Knots

Mod: Rescue Anchors

Mod: Rescue Belay

Mod: Rope Hauling Systems

Mod: Mechanical Advantage Systems

Mod: Raising & Lowering Systems

Mod: Patient Packaging/Management

Mod: Rescue Lowering

Mod: Descending/Ascending for Rescue

Mod: Load Release & Knot Pass

Rope Operations Task Book Workshop Schedule

Orientation & Review

- Safety & hazard Identification
- PPE review and inspection
- Rope Operations Task Book review

Tie all knots, bends, hitches (2.5 pts)

- 56-17.1 Figure Eight
- 56-17.2 Figure Eight on a Bight
- 56-17.3 Figure Eight Follow-through
- 56-17.4* Butterfly (Lineman's loop)
- 56-17.5* Double Overhand Knot (Half of a double Fisherman's Bend)
- 56-17.7 Triple Wrap Prusik hitch
- 56-17.9 Overhand Bend (a.k.a Water Knot, Ring Bend) in webbing
- 56-17.10 Clove Hitch
- 56-17.11 Munter Hitch

Construct all mechanical advantage systems in the allotted time (2.5 pts)

- 2:1
- 3:1 Z-rig
- 3:1 attached
- 4:1 block and tackle
- 4:1 attached

Construct Raising/Lowering Systems (5 pts)

- Mechanical advantage system using a load releasing hitch and raise rescuer minimum of 20' with two resets
- Convert to a lower system and lower rescuer minimum of 20' with minimum two resets

Ascend and descend (2.5 pts)

- Ascend and descend a fixed rope a minimum of 20' (2.5 pts)

Belay a rescuer (2.5 pts)

- Belay a rescuer using a munter hitch, tandem prusix or mechanical belay device in raising and lowering environment minimum of 20'

Miscellaneous (2.5 pts)

- Anchor fixed rope
- Attach mechanical advantage system
- Package pt. in stokes basket
- Raise patient and basket minimum of 20'
- Pass knot in the system
- Convert to lowering system
- Lower patient to ground

Following the successful completion of all requisite skills, students will receive a completed and signed Rope Operations Proficiency Log Sheet by a qualified Rope Rescue Technician.

Reference List

Vines, T. (2016). *High-Angle Rope Rescue Techniques: Levels I & II*. S.L.: Jones & Bartlett Learning.

Pendley, T., & Darrow, K. (2011). *The Essential Technical Rescue Field Operations Guide*. Phoenix, Az.: Desert Rescue Research.

NFPA 1006, Standard for Rescue Technician Professional Qualifications, 2017 Edition.

NFPA 1983, Fire Service Life Safety Rope and System Components, 2001 Edition.