



Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

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Course Title: *Bloodborne Pathogens, Infectious Disease & Biological Agent Review (BPIDBR)*

Length of Course: 6:00 hours

Lecture/Lab Breakdown: 6:00/0

Prerequisites: Initial bloodborne pathogens introduction training.

Referenced texts: 2000, Biological and Chemical Terrorism: Strategic Plan and Preparedness and Response.
1998, Fire Department Occupational Safety & Health Safety Standards Handbook
1997, 29 CFR 1910.1030
1997, NFPA 1582 Medical Requirements for Fire Fighters
1997, NFPA 1500 Fire Department Occupational Safety and Health Program
1995, NFPA 1581 Standard on Fire Department Infection Control Program
1994, 29 CFR 1910.1030
1992, Guide to Developing and Managing an Emergency Service Infection Control Program, United States Fire Administration.
1992, Infection Control for Emergency Response Personnel: The Supervisors Role, United Sates Fire Administration.

Course Goal: Upon completion of this course the student will have reviewed and applied basic concepts of recognition and protection from exposure to bloodborne pathogens and biological human diseases pertinent to the scope of practice for a public service worker / provider.

Description of Course: This course reviews infection control and biological human disease recognition and prevention practices for emergency and non-emergency public service agencies. There is a variety of situations that public servants are called upon, including domestic violence/terrorism, hazardous materials/waste, and even routine structural fires and vehicle rescues that can and do have the potential for infecting the responder.

Description of Methodology to be used: Lecture, group activity, and scenarios with guided discussion.

Student equipment/Supply Needs: Pen/pencil and Notebook.

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Equipment/Audiovisual/Supply requirements: Classroom with adequate seating, Chalk or dry erase board or flip chart, computer with powerpoint 4.0 software and suitable projector, Overhead projector, screen, Student guide (per student), 1 bloodborne pathogens exposure kit, 1 box of (small, Medium, Large, X-Large) Latex free gloves.

**Course Outline
(General – Not Detailed)**

<u>Time</u>	<u>Content</u>	<u>Instructor Notes</u>
:15	Introduction, course overview, regulatory updates.	
:30	Terminology, risk exposure factors and concepts of transmission.	
1:00	Responder's health maintenance and confidentiality of records issues.	
:30	Patient confidentiality issues.	
:15	Demonstrate the proper use of personal protective equipment with return demonstration.	
:30	Decontamination procedures.	
1:00	Biological agent review.	
1:30	Scenario exercises.	
:30	Summary / Examination.	

Competency Evaluation Mechanism: Practical donning and removal of protective gloves, Group participation during scenario exercises, 10 question multiple-choice quiz scoring 80% or better.

Course Objectives: The participants' will be able to:

1. Identify important issues addressed in 29 CFR 1910.1030 standards and other regulations.
2. Define common terminology.
3. Describe methods of disease transmission and how the immune system is affected.
4. Identify the responder's rights to patient information.
5. Identify the importance of confidentiality pertaining to the patient.
6. Describe the procedures used to decontaminate equipment, surfaces, victims and clothing.
7. Apply the principals of selecting the appropriate PPE based on scenarios of various types and complexities.
8. Discuss latex allergies and prevention issues.
9. Discuss categories of medical conditions and health maintenance issues.
10. Discuss biological agents effects and techniques of recognition.
11. Apply biological recognition concepts during a table top exercise.