



HEALTH CARE AGENCY
HEALTH DISASTER MANAGEMENT

HEALTH DISASTER MANAGEMENT
COURSE CATALOG
2009-2010

Table of Contents

Course Number	Course Title	Page
BIO-000100	<i>DuoDote Anti-nerve Training</i>	4
BIO-000101	<i>Personal Protective Equipment and Scapehood</i>	4
BIO-000102	<i>Hospital Incident Command System (HICS)</i>	5
BIO-000103	<i>Incident Command System (ICS)100, 200, and IS 700</i>	5
BIO-000104	<i>AWR 160: Awareness Level - Weapons of Mass Destruction (WMD)</i>	6
BIO-000105	<i>Chemical, Biological, Radiological, Nuclear and Explosive (CBRNE) Threats: Emergency Preparedness for Medical Care Providers</i>	6
BIO-000106	<i>CHEMPACK Training</i>	7
BIO-000107	<i>Weapons of Mass Destruction Assessment Treatment and Triage (WATT)</i>	7
BIO-000108	<i>Vortran Ventilator</i>	8
BIO-000109	<i>Personal Protective Equipment (PPE) for Hospital Decontamination</i>	8
BIO-000110	<i>California Health Alert Network (CAHAN)</i>	9
BIO-000111	<i>Role of Nurses in Disaster</i>	9

Health Disaster Management Contact Information

Dorothy Hendrickson, Administrative Manager
Hospital Preparedness Program
Health Disaster Management Division
(714) 834-2156 / dhendrickson@ochca.com

Jocelyn Argame, MSN, RN, PHN
Public Health Nurse / Training Coordinator
(714) 560-6116 / jargame@ochca.com

Mike Steinkraus
Emergency Medical Services Coordinator/ Hospital Liaison
(714) 834-3124 / msteinkraus@ochca.com

Registration Contact Information: Hospitals, clinics, or ambulance providers interested in these courses should contact the following HDM staff

Anna Liu
Office Specialist
(714) 560-6150 / aliu@ochca.com

Irma Chavando
Staff Assistant
(714) 560-6162 / ichavando@ochca.com

Course Title: *DuoDote Anti-nerve Training*

Course Number: BIO-000100

Prerequisites: None

Course Description:

This course identifies and discusses signs and symptoms of nerve agent poisoning, lists physical characteristics of nerve agents, and notes the mechanisms of toxicity. Medical management, proper usage, and administration of Atropine and Pralidoxime are emphasized. Participants will have the opportunity to practice the proper usage of the simulated DuoDote as part of the learning process.

Course Objectives

At the end of the course, the student should be able to:

- Recognize signs and symptoms of nerve agent poisoning
- Understand the physiological effects of the nerve agents.
- Understand the pharmacology of Atropine and Pralidoxime.
- Demonstrate the use of the DuoDote autoinjector

Recognize potential adverse effects of a DuoDote kit

Primary Audience: Ambulance personnel only

Course Length: 1.5 hours

CEUs: 1.5

Course Title: *Personal Protective Equipment (PPE) and Scapehood*

Course Number: BIO-000101

Prerequisites: None

Course Description:

This course covers the minimum personal protective equipment (PPE) for ambulance personnel in California that meets the OSHA and Cal-OSHA standards. Various levels of personal protective equipment are discussed. Participants will have the opportunity to practice the proper usage of PPE and Scapehood and understand their purpose, components and limitations.

Course Objectives

At the end of the course, the student should be able to:

- Understand the purpose, hazards, and limitations of PPE and Scapehood
- Demonstrate the proper usage of the PPE
- Recognize the proper way to inspect and store the Scapehood
- Understand various levels of PPE and their usages

Primary Audience: Ambulance personnel only

Course Length: 2 hours

CEUs: 2

Course Title: *Hospital Incident Command System (HICS)*

Course Number: BIO-000102

Prerequisites: ICS 100, 200, 700 is desirable

Course Description:

This course offers a comprehensive training designed to provide the tools and information necessary to implement HICS within the hospital. The goal of the training is to ensure a standardized approach to managing hospital emergency situations.

The HICS training is divided into two-modules.

- The first module is an in-depth discussion of the roles and responsibilities of the key members of an Incident Management Team. Emphasis is on understanding the importance of building an Incident Management Team, familiarization with hospital incident action planning process, and establishing incident objectives. The above fundamental concepts allow hospital disaster coordinators to develop emergency planning and response efforts for all hazards, tailored to the needs of participants' facilities and staff.
- The second module is an interactive workshop that uses practical application of the fundamental concepts outlined in HICS. It familiarizes participants with the use of the job action sheets and HICS forms required by the federal government for reimbursement purposes.

The course meets the Joint Commission standard and the National Incident Management System (NIMS) and HICS requirements.

Course Objectives

At the end of the course, the student should be able to:

- Describe the purpose and use of the HICS Forms
- Describe the function and purpose of the Job Action Sheet (JAS)
- Discuss the Incident Management Team and its roles and responsibilities
- Develop "SMART" objectives
- Understand the components of an incident action plan (IAP)
- Understand the role, responsibility, and command considerations for the following: Command, Operations, Planning, Logistics, and Administration
- Conduct a facilitated, interactive scenario based workshop

Primary Audience: Hospital personnel

Course Length: Each module is 4 hours

CEUs: 4

Course Title: *Incident Command System (ICS)100, 200, and 700 for Healthcare Organizations*

Course Number: BIO-000103

Prerequisites: None

Course Description:

These combined courses are intended to educate hospital-based emergency response personnel in the principles of the Incident Command System (ICS) and the National Incident Management System (NIMS) and is equivalent to the FEMA/EMI ICS 100, 200 and NIMS (IS 700). This course is an introduction to the basic ICS features and principles, organizational structures, and the application of ICS to healthcare organizations. Components of the National Incident Management System (NIMS), including command and management, preparedness, resource management, communications and information management and supporting technologies are examined and emphasized.

The course meets the National Incident Management System (NIMS) requirement and complies with Joint

Commission standards.

Course Objectives

At the end of the course, the student should be able to:

- Identify the core concepts and principles of the Incident Command System (ICS)
- Understand the importance and application of ICS in hospitals and the healthcare system
- Recognize the components of the National Incident Management System (NIMS)
- Meet the all-hazard, all agency ICS and NIMS training requirements mandated by the Health Resources and Services Administration (HRSA) and the NIMS Integration Center

Primary Audience: Hospital personnel only

Course Length: 4 hours

CEUs: 4

Course Title: *AWR 160: Awareness Level - Weapons of Mass Destruction (WMD)*

Course Number: BIO-000104

Prerequisites: None

Course Description:

This course is a comprehensive training designed to help participants recognize and understand Weapons of Mass Destruction (WMD), terrorist threat indicators, and potential terrorist targets. There is an emphasis on understanding and recognizing chemical, biological, radiological/nuclear and explosive devices. Recognition, avoidance, isolation and notification (RAIN) concept is discussed in detail. AWR 160 course was developed by the U.S. Department of Homeland Security Federal Emergency Management Agency.

Course Objectives

At the end of the course, the student should be able to:

- Apply the Rain method to
 - Identify definitions of terrorism and WMD, indicators of potential terrorist acts and targets
 - Identify the signs and symptoms of chemical agents and toxic industrial chemicals using
 - Recognize the characteristics, physiological signs and symptoms of biological agents
- Identify the advantages and disadvantages of using chemical, biological, radiological material, and explosive devices as WMD
- Be able to recognize potential hazards and explosive devices
- Identify methods used to avoid the hazards of radiation and radiological material

Primary Audience: Hospitals, ambulance providers, community clinics, long-term care facilities

Course Length: 4 hours

CEUs: 4

Course Title: *Chemical, Biological, Radiologic, Nuclear and Explosive (CBRNE) Threats: Emergency Preparedness for Medical Care Providers*

Course Number: BIO-000105

Prerequisites: None

Course Description:

This course is an in-depth discussion of chemical, biological, radiological, nuclear, and explosive agents for licensed healthcare professionals. Intensive medical management/treatment and recognition of signs/symptoms are emphasized.

Course Objectives

At the end of the course, the student should be able to:

- Recognize signs/symptoms of CBRNE agents
- Understand medical management of CBRNE-related injuries and conditions

Primary Audience: Open to non-medical and healthcare professionals

Course Length: 4 hours

CEUs: 4

Course Title: *CHEMPACK Training*

Course Number: BIO-000106

Prerequisites: None

Course Description:

This course presents an overview of the Federal CHEMPACK program which provides additional assets for an effective response to chemically related public health emergencies. Participants will be trained in the proper storage, security, management and deployment of CHEMPACK material. The Health Care Agency Chempack standard operating procedure will be reviewed. The usage of antinerve agent, Mark I Kit, will be demonstrated.

Course Objectives

At the end of the course, the student should be able to:

- Understand the proper storage, security, management and deployment of CHEMPACK materials
- Demonstrate the proper usage of the Mark I antinerve agents
- Identify signs and symptoms of nerve agent poisonings
- Understand the standard operating procedures for CHEMPACK deployment

Primary Audience: Hospital and fire personnel

Course Length: 2 hours

CEUs: 2

Course Title: *Weapon of Mass Destruction Assessment Treatment and Triage (WATT)*

Course Number: BIO-000107

Prerequisites: None

Course Description:

This course is an in-depth comprehensive training on the appropriate treatment and management of victims exposed to biological, chemical, radiological, and explosive agents. Training will include the START (Simple Triage And Rapid Treatment) Triage System and its use when contamination is present or suspected.

Course Objectives

At the end of the course, the student should be able to:

- Identify agents most likely to be used as biological, chemical, radiological, and explosive agents

- Identify the common signs and symptoms of victims presenting from a hazardous materials incident involving common types of industrial chemicals and describe the appropriate steps to take (isolate, decontaminate, and stabilize)
- Describe various types of radiological hazards and threats
- Understand the appropriate treatment and management of radiation and blast/trauma casualties
- Describe the appropriate treatment and management of victims exposed to WMD
- Compare the advantages of START triage to those of a traditional color-coded triage system

Primary Audience: Hospital personnel, community clinics, ambulance personnel

Course Length: 4 hours

CEUs: 4

Course Title: *Vortran Ventilator*

Course Number: BIO-000108

Prerequisites: None

Course Description:

This course presents specifications, indications, and use of the Vortran ventilator. The course includes a detailed explanation of the ventilator, the pneumatic function, components, and operation. Demonstrate the proper usage of the Vortran ventilator.

Course Objectives

At the end of the course, the student should :

- Understand how to operate a Vortran Ventilator and its limitations
- Understand the logistics process of acquiring ventilators during a crisis

Primary Audience: Hospital personnel, respiratory therapists, Intensive care unit nurses

Course Length: 2 hours

CEUs: 2

Course Title: *PPE: Personal Protective Equipment for Hospital Decontamination*

Course Number: BIO-000109

Prerequisites: None

Course Description:

This combination course is intended to educate hospital-based emergency response personnel in setting up decontamination tent(s), understanding of decontamination levels, and an examination of the safety components of decontamination and personal protective equipment including the “3M Breathe Easy” Powered Air Purifying Respirator (PAPR). Various levels of personal protective equipment are discussed. Participants will have the opportunity to practice setting up the decontamination tents(s), and the proper usage of the “3M Breathe Easy” Powered Air Purifying Respirator (PAPR).

Course Objectives

At the end of the course, the student should:

- Be efficient in setting-up a decon zone
- Be efficient in donning/doffing personal protective equipment (PPE), and assembling the “3M Breathe Easy” Powered Air Purifying Respirator (PAPR)
- Understand the limitations, hazards and safety components of the decontamination and personal protective equipment

Primary Audience: Hospital personnel (Recommend cross-training personnel from different disciplines e.g. engineering, housekeeping, nursing supervisors, etc).

Course Length: 6 Hours.

CEUs: 6

Course Title: *California Health Alert Network (CAHAN)*

Course Number: BIO-000110

Prerequisites: None

Course Description:

This course provides an overview of the California Health Alert Network (CAHAN) and the benefits of participation. It includes instructions on how organizations can register, and the type of information typically disseminated through the CAHAN system. Applications will be provided.

Course Objectives:

At the end of the course, the student should be able to:

- Describe CAHAN and how it functions in health-related emergencies
- Discuss potential benefits of the CAHAN system for health care providers

Primary Audience: Hospitals, Community Clinics, Long Term Care Facilities, and other community health care providers

Course Length: 1 hour

CEUs: 1

Course Title: *The Role of Nurses in Disasters*

Course Number: BIO-000111

Prerequisites: none

Course Description:

This course provides an overview of the public health nurses' role in a health disaster. Included is a brief discussion of the Incident Command Systems, application to public health emergencies, role of nurses in points of distribution, and Medical Reserve Corps.

Course Objectives:

At the end of presentation the student should:

- Have an understanding of the expanded role of public health in disaster response
- Have an understanding of ICS and its application to public health emergency response
- Identify the components of a point of dispensing (POD)
- Identify the role of the Medical Reserve Corps in disasters

Primary Audience: Public Health Nurses

Course Length: 40 minutes

CEUs: 0