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Introduction to Disaster Management (BLDS®) Mini-Elective Spring 2009

<u>Course Dates:</u>	January 21, *30, February 11, 18 Wednesday evenings, 6:00-8:00 p.m. *Friday, January 30, 1:00-3:00 p.m.
<u>Maximum Students:</u>	16
<u>Class Year:</u>	MS1 & MS2
<u>Course Director:</u>	Joe Suyama, MD Assistant Professor of Emergency Medicine
<u>Contact Information:</u>	Joe Suyama, MD 412-647-8540; suyamaj@upmc.edu
<u>Registration:</u>	Betsy Nero, Office of Medical Education betsy@medschool.pitt.edu

Description:

In 2003, the National Disaster Life Support (NDLS) training program was established to better prepare health care professionals and emergency response personnel for mass casualty events. The overarching goal was to standardize emergency response training nationwide and strengthen our nation's public health system. During this 4 session mini-elective, we will use the Basic Disaster Life Support (BDLS®) framework to stress a comprehensive all-hazards approach to help you deal with catastrophic emergencies from terrorist acts as well as from explosions, fires, natural disasters (such as hurricanes and floods), and infectious diseases, which are much more likely to occur. In large-scale mass casualty events, medical students and other health care workers must:

- Be knowledgeable of the need for efficient coordination among local, state, and federal emergency response efforts.
- Understand how to protect themselves and others from further harm.
- Be able to communicate effectively with other emergency personnel and the media.
- Know how to address the unique psychological impacts and related social chaos that may ensue.

Course Objectives:

- To understand the scope of disasters (all hazards), including natural and accidental man made events; traumatic and explosive events; nuclear and radiological events; biological events; and chemical events.
- Be able to describe the health care professional's role in the public health and incident management systems, community mental health, and special needs of underserved and vulnerable populations.
- Be able to manage the disaster scene and victims by applying the D-I-S-A-S-T-E-R paradigm.
- To understand the need for a triage system (i.e. the BDLS® M.A.S.S. Triage model and "Id-me") and apply for response to a mass casualty event.

Requirements:

- Actively participate in all 4 course sessions - (students will receive a BDLS® certification at the end).

- Reading assignments prior to sessions 2, 3 and 4 (approximately 2 hours of material per session). Chapters will be assigned from the BDLS[®] textbook.

Course Outline

Introduction to Disaster Management (BLDS[®])

Course Director:

Joe Suyama, MD
412-647-8540
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Course Objectives:

- To understand the scope of disasters (all-hazards), including natural and accidental man-made events; traumatic and explosive events; nuclear and radiological events; biological events; and chemical events.
- Be able to describe the health care professional's role in the public health and incident management systems; community mental health; and special needs of underserved and vulnerable populations.
- Be able to manage the disaster scene and victims by applying the D-I-S-A-S-T-E-R paradigm. (D – Detect, I – Incident Command, S – Scene Security and Safety, A – Assess Hazards, S – Support, T – Triage and Treatment, E – Evacuation, R – Recovery).
- To understand the need for a triage system (i.e. the BDLS[®] M.A.S.S. Triage model and "Id-me") and apply it for response to a mass casualty event.

Location:

Scaife Hall—Rooms 460 A&B
Wednesday evenings—6:00-8:00 p.m., except *Friday, January 30, 1:00—3:00 p.m.*

Session One – January 21, 2009

Introduction to Disasters and Disaster Medicine

Reading: None

Objectives:

- To understand the scope of disasters (all hazards), including natural and accidental man-made events; traumatic and explosive events; nuclear and radiological events; biological events; and chemical events.
- To understand National Incident Management System (NIMS) and Incident Command Structure (ICS) for health care providers.

Session Two – January 30, 2009 (this is a Friday afternoon class—1:00-3:00 p.m.)

Traumatic and Explosive Events; Nuclear and Radiological Events; and Mass Casualty Incidents

Reading: Chapters 1-4

Objectives:

- To understand and identify the components of the D-I-S-A-S-T-E-R paradigm for Traumatic and Explosive Events (Chapter 3) and Nuclear and Radiological Events (Chapter 4).
- To understand the M.A.S.S. Triage and "Id-me" application for Mass Casualty Incidents (MCI).

Session Three – February 11, 2009

Biological Events; Chemical Events; and Introduction to Personal Protective Equipment and Decontamination Techniques

Reading: Chapters 5-6

Objectives:

- To understand and identify the components of the D-I-S-A-S-T-E-R paradigm for Biological Events (Chapter 5) and Chemical Events (Chapter 6).
- To understand use of Personal Protective Equipment (PPE) and be familiar with Decontamination techniques in the health care setting.

Session Four – February 18, 2009

Psychosocial Aspects of Terrorism and Disasters (Critical Incident Stress Management (CISM); the Public Health System in Disasters; and Introduction to Operational Medicine

Reading: Chapters 7-8

Objectives:

- Be able to describe the health care professional's role in the public health and incident management systems, community mental health, and special needs of underserved and vulnerable populations.
- To understand the scope of Operational Medicine.
- To understand the need for specialized training and skills for response to disasters.

Text:

- The BDLS® textbook will be provided at the first session.