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# Introduction to Disaster Management Mini-Elective Spring 2017

<u>Course Dates:</u>	April 5, 12, 19, 26 Wednesdays, 1:00-3:00 PM
<u>Maximum Students:</u>	10
<u>Class Year:</u>	MS1
<u>Course Director:</u>	Joe Suyama, MD Associate Professor of Emergency Medicine
<u>Contact Information:</u>	Joe Suyama, MD 412-641-6472; <a href="mailto:suyamaj@upmc.edu">suyamaj@upmc.edu</a>
<u>Registration:</u>	Betsy Nero, Office of Medical Education <a href="mailto:betsy@medschool.pitt.edu">betsy@medschool.pitt.edu</a>

## Description:

During this 4 session mini-elective, we will use the RaPiD-T (Recognition, Protection, Decontamination, and Triage/Treatment) model to teach a comprehensive all-hazards approach to help you understand how to manage catastrophic emergencies such as terrorist acts, natural disasters, and outbreaks of infectious diseases. To assist in the mitigation and response to large-scale mass casualty events, medical students and other health care workers should:

- Become knowledgeable of the clinical presentations of selected chemical, biological, radiological, and blast related injuries.
- Understand how to protect themselves and others from further harm
- Be able to communicate effectively with other emergency personnel and understand the organizational structures needed to manage both pre-hospital and hospital based disaster response
- Understand the risks inherent to working at the scene of a disaster

## Course Objectives:

- To understand the clinical scope of the medical response to disasters
- To understand the pre-hospital and hospital based response to disasters
- To understand the need for a command structure for scene and hospital based mitigation and response to disasters

## Requirements:

- Actively participate in all 4 course sessions.
- Reading assignments prior to sessions 2, 3 and 4

## **Course Outline Introduction to Disaster Management**

**Course Director:**  
Joe Suyama, MD

412-641-6472  
suyamaj@upmc.edu

**Course Objectives:**

- To understand the clinical scope of the medical response to disasters
- To understand the pre-hospital and hospital based response to disasters
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**Location:**

Scaife Hall Rooms – 516 & 517  
Times – 1:00-3:00 PM

**Session One – April 5, 2017**

**Introduction to Disasters and Blast injuries**

Objectives:

- To understand the scope of clinical conditions and health effects related to intentional and natural disasters and the response needed from a pre-hospital and hospital perspective
- To understand the clinical effects and response to blast injuries

**Session Two – April 12, 2017**

**Biological Disasters and PPE**

Objectives:

- To understand biological events, both intentionally and naturally occurring, and the pre-hospital and hospital response to these events.
- To understand the need and types of PPE available

**Session Three – April 19, 2017**

**Chemical Disasters and Antidotes**

Objectives:

- To understand chemical events, and the clinical conditions that occur naturally that assist in the clinical and operational response to these events
- To understand chemical antidotes and their limitations

**Session Four – April 26, 2017**

**Radiological Disasters and Scene Management**

Objectives:

- To understand the scope of radiological events, both intentional and unintentional, and the community and hospital based response to these events
- To understand the need for a command structure to deal with these events, and the current operational response available in Presbyterian Hospital and Allegheny County