



GEORGETOWN UNIVERSITY
School of Continuing Studies

Bridging the Gap Between Theory & Practice

A Novel Approach to Graduate Emergency Management Education

Nancy Suski

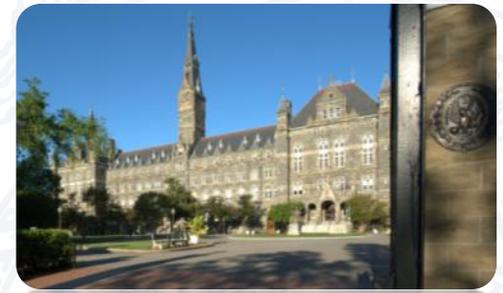
Executive Director, EDM Program

Georgetown University

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Georgetown University

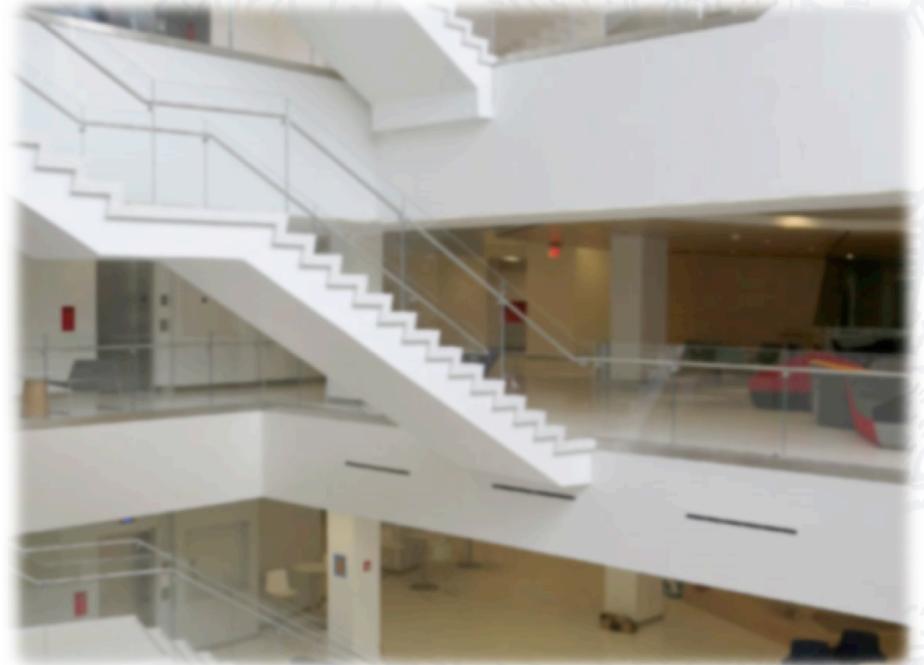
- Established in 1789 by Archbishop John Carroll, SJ, Georgetown is the oldest Jesuit and Catholic institution of higher learning in the United States
- In 200 years has grown into a university with 9 schools, 5 campuses and an affiliated hospital
 - Schools: Undergraduate, Foreign Service, Medicine, Law, Graduate School, Business, Nursing, SCS, Public Policy
- The Executive Masters of Professional Studies in Emergency & Disaster Management (EM) is housed in the Georgetown School of Continuing Studies



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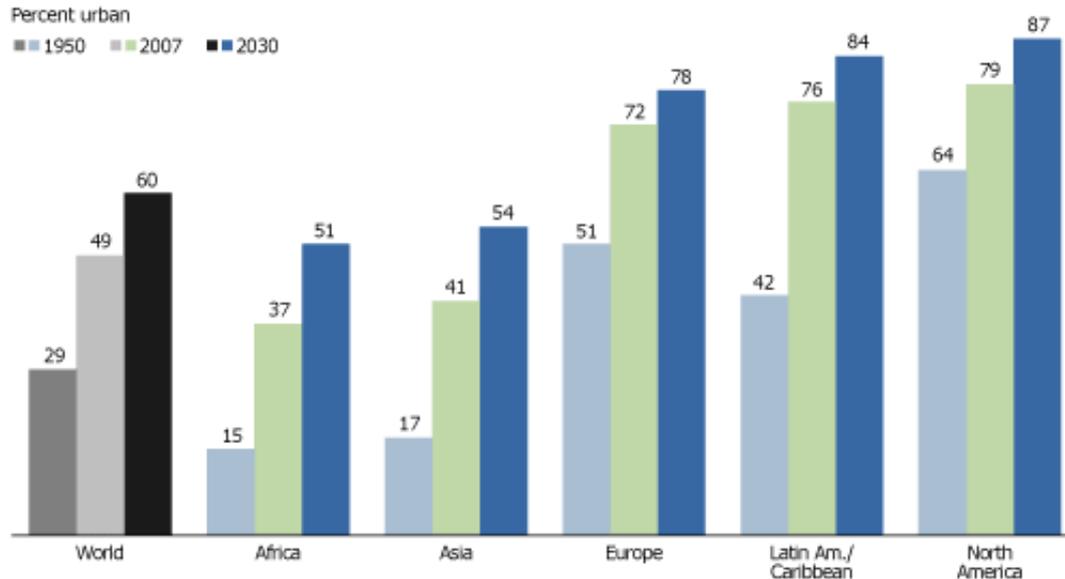
New SCS Downtown Campus

- **Located in one of the city's most vibrant and accessible neighborhoods**
- **Expanding educational opportunity and increasing community engagement through learning and service.**
- **The location is accessible to our community of students and professionals**
- **State of the art design in educational space provides for meeting space for large & small groups, a research library & writing center, café, and collaborative areas throughout**





Program Rationale – By 2050 80% of the world's population will live in urban areas



- Dependence on global supply chain and public services
- Cultural and economic diversity
- Complexity of threats and response strategy increasing

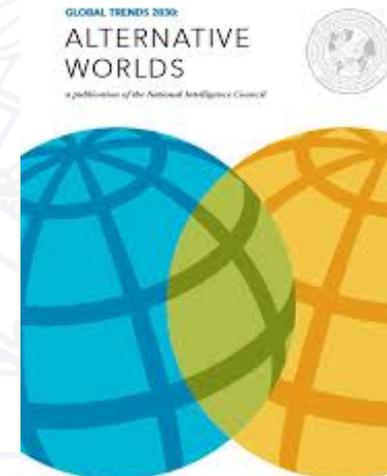
Emergency management field is expected to grow by 22% by 2018



Global Trends 2030 – National Intelligence Council

Critical changes to key features of our global environment:

- Growth of the global middle class
- Wider access to lethal and disruptive technologies
- Definitive shift of economic power to the east and south
- Unprecedented and wide spread aging
- Urbanization
- Food and water pressures
- U.S. energy independence





Future Challenges

FEMA Crisis Response & Disaster Resilience 2030

- **Social & Technological Drivers**
 - Universal access to and use of information
 - Technological innovation and dependency
 - Changing role of the individual and U.S. Demographics
- **Environmental Drivers - climate change**
 - Forced migration
 - Severe storms
 - Food & water security
- **Economic & Political Drivers**
 - Global interdependencies
 - Aging infrastructure
 - Evolving terrorist threat





Distinguishing Features of EDM Degree

- Focus on critical thinking and crisis leadership
- Curriculum includes current and emerging real-world threats
- Use of modeling & simulation in a dynamic classroom environment
- Experiential learning through on-site field studies
- Organizational behavior and communication skills to transcend traditional boundaries
- Course curriculum is underpinned by a strong ethics foundation



Degree Overview

Executive Master of Professional Studies degree in Emergency and Disaster Management

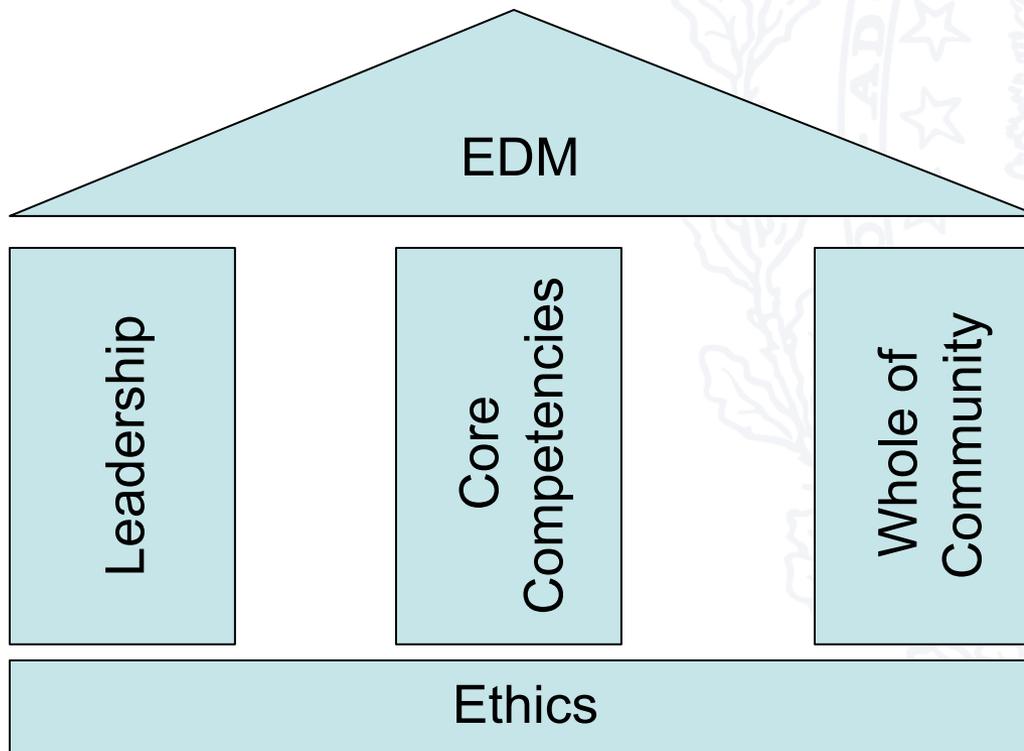
- 30 credit hours course work
- Cohort program
- On-site intensives & online course work

Format

- Online & on-site instruction
- 5 modules – each culminates in a 6-day on-site intensive
- Significant use of modeling & simulation & field studies to various locations for on-site learning experience



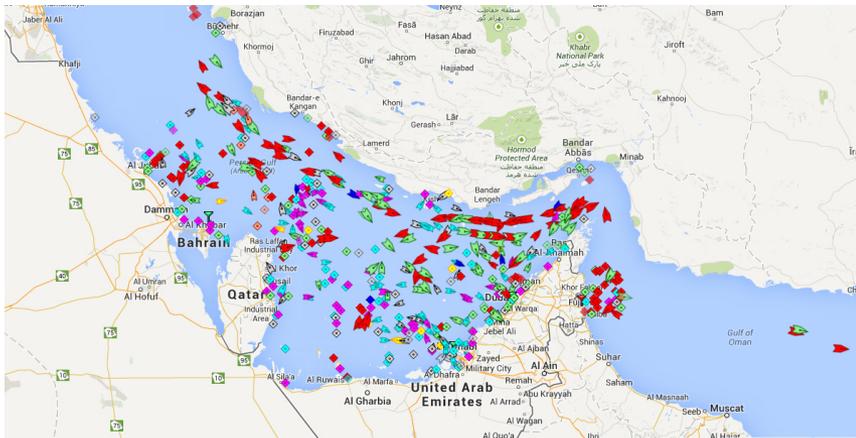
Curriculum Philosophy





Models and Simulations create a more impactful learning environment

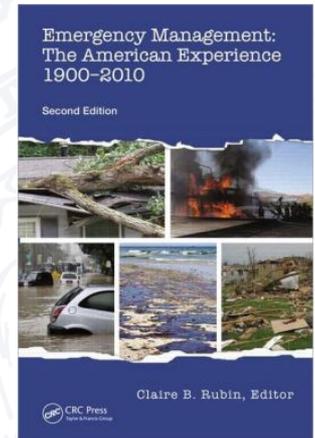
- Terrorism & WMD Intensive
 - Large area bio release
 - Radiological & nuclear event
- Support to international disaster
 - Supply chain disruption
 - Infectious disease





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Module 1: Theory & Legal Framework of Emergency Management



Module 1: EDM Theory & History of Emergency Management	
Location	Georgetown University - Washington, DC
Overview	This module will provide an historical context for current U.S. emergency management practices. It will introduce students to theoretical concepts and doctrine in emergency management. This module will provide the foundation for developing leadership capabilities and ethical considerations necessary to effectively serve the public in times of disaster.
Themes	<ul style="list-style-type: none">• Historical Perspective• Structural aspects of emergency management<ul style="list-style-type: none">○ Legal framework○ Regulatory & statutory requirements○ Domestic doctrine• Ethics and leadership
Learning Objectives	<ul style="list-style-type: none">• Understand the evolution of our current emergency management system & public perception/expectations• Understand FSL legal framework & domestic emergency management doctrine so that students can respond legally to emergencies and disasters• Identify and apply critical thinking & analytic skills necessary to lead in the multi-dimensional environment of emergency and disaster management
Example Course Content	<ul style="list-style-type: none">• 100 years emergency management• National emergency management doctrine• Confronting complexity and creating unity of effort



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DC Intensive





Module 2: Natural Disasters



Title	Module 2: Natural Disasters
Location	New Orleans, LA
Overview	In this module the disaster cycle will be introduced in the context of naturally occurring events. Through the use of real world case studies, students will explore the importance of understanding local conditions, building resilience and other factors necessary for an effective response and recovery.
Themes	<ul style="list-style-type: none">• Disaster Cycle• Anatomy of Natural Disaster• Disaster Psychology• Cascading Effects• Underlying Community Conditions
Learning Objectives	<ul style="list-style-type: none">• Demonstrate understanding of disaster cycle and relationship to existing doctrine as it relates to natural disasters• Compare and contrast psychological and physical infrastructure aspects of notice vs. no notice events (e.g., hurricane v earthquake)• Understand the implications of underlying community conditions on risk communication throughout the disaster cycle
Example Course Content	<ul style="list-style-type: none">• White House Report on Katrina Lessons Learned• Post Katrina Emergency Management• Reform Act• National Level Exercise 2011 Lessons Learned• Fukushima Reports• How to Avoid Catastrophe



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New Orleans Intensive

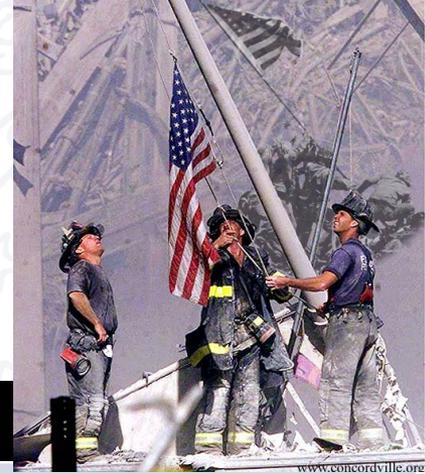


Photo credit: LSU - BEOC





Module 3: Terrorism & WMD



Title	Module 3: Domestic Terrorism
Location	Lawrence Livermore National Lab – Livermore, CA
Overview	This module will introduce the added dimension of a deliberate no-notice terrorist event and explore the challenges associated with CBRN hazards and a coordinated multi-jurisdictional, multi-discipline response. Students will begin to understand the technical complexity of CBRN attacks and how current and emerging technologies can support the response to this type of incident.
Themes	<ul style="list-style-type: none">• Anatomy of a Terrorist Attack• Intersection of Disaster and Crime Scene Management• New Dynamic with Respect to FSL Authorities• Complex & Persistent Nature of the Threat
Learning Objectives	<ul style="list-style-type: none">• Compare and contrast deliberate acts of terrorism to other disasters with respect to public reaction, incident management, hazard characterization, and first responder / first receiver), triage, and public health• Understand the challenges to quantifying and communicating risk for high consequence, low probability events and identify mechanisms to promote civic responsibility and overcome apathy• Recognize the role of technology and its limitations to support decision making
Example Course Content	<ul style="list-style-type: none">• Anthrax attack• Sarin – Tokyo• 9/11 Commission Report• Leadership – Giuliani & Kurson• Radiological & Nuclear Response & Recovery• WMD 101



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LLNL Intensive





Module 4: US Foreign Disaster Assistance



Title **Module 4: US Support to an International Disaster**

Location Georgetown University – Doha, Qatar

Overview This module will explore domestic policies for support to a significant foreign incident. Students will utilize a hypothetical case study based on a coordinated attack in an isolated region. Unexpected challenges in emergency management due to lack of redundancy and broken supply chains will be examined and students will explore potential courses of action.

- Themes**
- U.S. Policy in support of foreign governments emergency operations
 - Complex coordinated attack
 - Loss of critical life-saving infrastructure
 - Supply chain disruption
 - Challenges associated with emergency operations in remote locations

- Learning Objectives**
- Understand US policies governing emergency support to foreign disasters, including terrorism
 - Understand major international bodies policies on emergency management
 - Understand and apply global threat evolution to planning future interventions
 - Understand challenges with disabled or delayed mutual aid, supply chain systems, and disruption of critical infrastructure and key resources
 - Identify the challenges of multi-partite operations
 - Understand how planning and preparation may reduce the effect of disaster

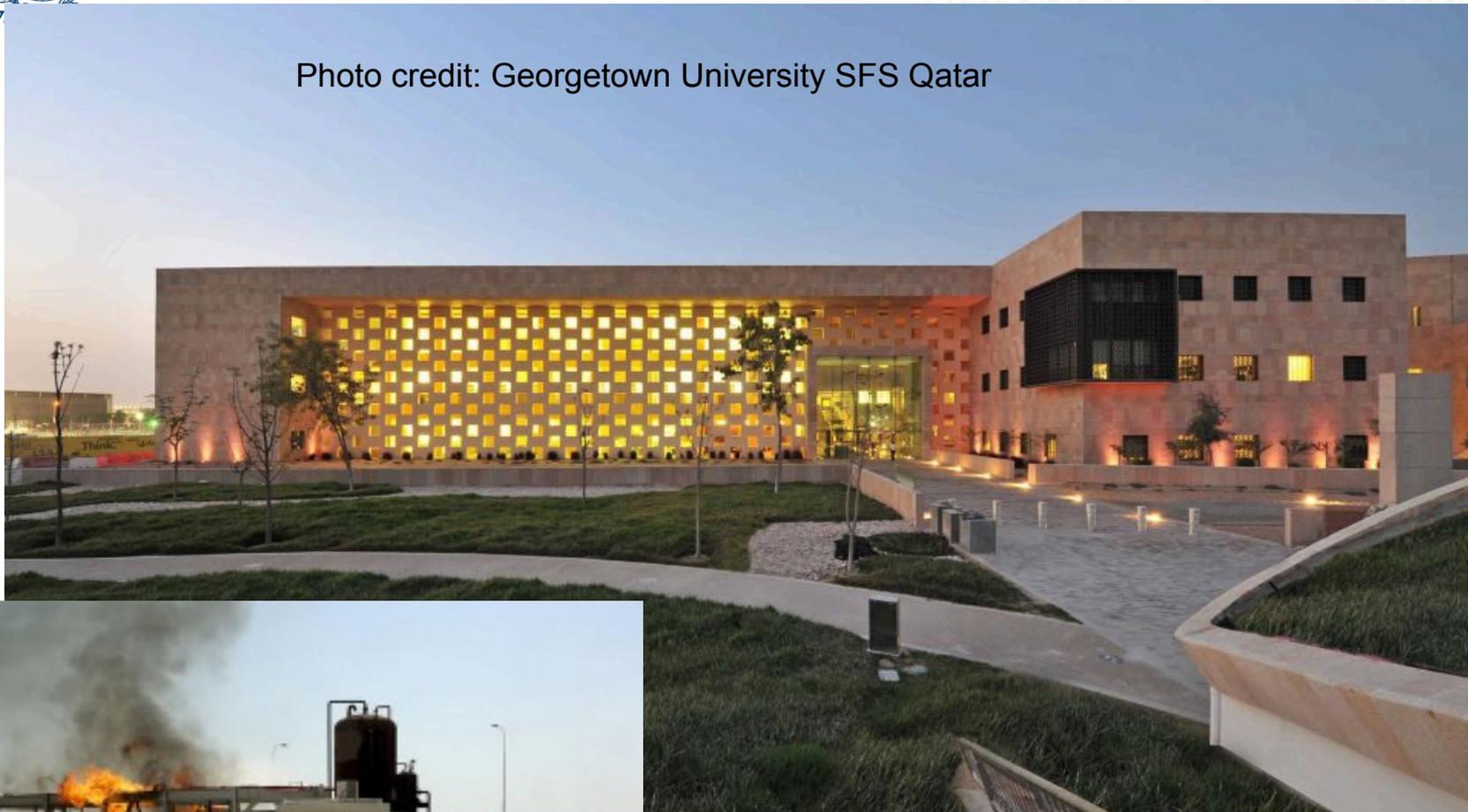
- Example Course Content**
- Middle East Culture and Politics
 - Haiti Earthquake Response – American Red Cross
 - Cultural Competency in Disaster Response



Doha, Qatar Intensive

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Photo credit: Georgetown University SFS Qatar



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Module 5: Capstone

Title	Module 5: Capstone
Location	Georgetown University – Washington, DC
Overview	<ul style="list-style-type: none">• Final Capstone project and paper
Themes	<ul style="list-style-type: none">• In depth analysis of a specific aspect of emergency management (e.g., private sector, volunteer, hazard identification and characterization, risk communication)• Meta-scenario
Learning Objectives	<ul style="list-style-type: none">• Demonstrate critical thinking and analytic skills• Adapt to unexpected requirements• Demonstrate leadership and team building capability
Example Course Content	<ul style="list-style-type: none">• Review and study• Final project