We are consulting with these Additional Resources: FBI; DHS; Hamilton County Communications; Cincinnati Fire Department; Blue Ash Police Department; Local Emergency Planning Committee.

TERRORISM & CYBERSECURITY
FST 3021 - Fall 2 (online, 7 weeks: 10/16/2019 – 12/7/2019)

Faculty / Subject Matters:
- Larry Bennett – Program Chair / Attorney: TERRORISTS IN USA / ARRESTS & PROSECUTIONS
- Brian Canteel – Greater Cincinnati HAZMAT Unit / retired US Army Colonel: HAZMAT / WMD
- Steve Kelly – Fire Chief, Miami Township FD: INCIDENT COMMAND / ACTIVE SHOOTER
- Josh Gilliam – Cybersecurity Consultant: CYBERSECURITY / WORKPLACE PROTECTION

Textbooks:
- 911 Commission Report

Assignments: 3 assignments each Sat. & Wed

Three assignments:
Textbook: 1-page memo
Terrorists: 1-page memo
Video: 3-5 minutes

Sat. – Oct. 19, 2019

Chap. 1 - “WE HAVE SOME PLANES”

Larry: TERRORISTS IN USA / ARRESTS & PROSECUTIONS
Prof. Bennett’s Current Events folder; also: Terrorism Trials & Investigations

Steve: Student video: INCIDENT COMMAND / SCHOOL SHOOTING: Marjorie Stoneman Douglas High School, Parkland, Florida (Feb. 14, 2018) - discuss with a
senior Fire Department officer the training they have done with law enforcement on Rescue Task Force or similar joint response programs.

After Watching:
SCHOOL SHOOTER / VIDEOTAPED LECTURE (Oct. 17, 2018)

Jun Cho
Sergeant
Blue Ash Police Department
4343 Cooper Rd.
Work: 513-745-8562, Extension: 1562
jcho@BlueAsh.com

Watch his Oct. 17, 2018 videotaped presentation

And reading:


“Active Shooter Incidents: The Rescue Task Force Concept” (Sept. 20, 2017)

- Wed – Oct. 23, 2019

Chap. 12 - “What To Do? A Global Strategy

Larry: TERRORISTS IN USA / ARRESTS & PROSECUTIONS: Prof. Bennett’s Current Events folder

Steve: Student Video: INCIDENT COMMAND / MASS CASUALTY: Las Vegas Shootings (Oct. 1, 2017) – discuss with senior law enforcement official the lessons learned on Incident Command at this event, and the training in Unified Command that has occurred in your community.

After watching:
TERRORIST DRONES / VIDEOTAPED LECTURE (Oct. 17, 2018)

Lt. Steve Schueler
Blue Ash Police Department
4343 Cooper Road
Blue Ash, OH 45242
Work: (513) 745-8571
sschueler@blueash.com

And reading:
Mass Attacks In Public Spaces (July 9, 2019)
West Point – Combatting Terrorism Center  
(July 11, 2018)

- **Sat. – Oct. 26, 2019**

  Steve: **TEXTBOOK: Homeland Security**  
  Chap. 1 - Turning Point

  Larry: **TERRORISTS IN USA / ARRESTS & PROSECUTIONS:** Prof. Bennett’s Current Events folder

  Steve: **Student Video:** INCIDENT COMMAND: Pulse Nightclub, Orlando (June 12, 2016): Discuss with an EMS officer about lessons learned in Incident Command for EMS responders.

- **Wed – Oct. 30, 2019**

  Chap. 4 – And They Saved Many

  Larry: **TERRORISTS IN USA / ARRESTS & PROSECUTIONS:** Prof. Bennett’s Current Events folder

  Steve: **Student Video:** INCIDENT COMMAND: Boston Marathon Bombings (April 15, 2013); discuss lessons learned in this mass casualty event, and your local hospitals disaster response plan.

- **Sat. – Nov. 2, 2019**

  Steve: **TEXTBOOK: Homeland Security**  
  Chap. 5 – Not By Chance

  Larry: **TERRORISTS IN USA / ARRESTS & PROSECUTIONS:** Prof. Bennett’s Current Events folder

  Josh: **Student Video:** CYBERSECURITY – Fire & Police Departments: discuss with a local fire or police department.

  After reading:

  **TEXTBOOK: Homeland Security: Chap. 16 - Cybersecurity**

  “The Emerging Cyberthreat: Cybersecurity for Law Enforcement”  (Dec. 12, 2018)
Additional Resources:

CINCINNATI FIRE DEPARTMENT
Curtis Goodman
District Chief
Work: 513-352-2327
Cell: 513-316-4219
Curtis.goodman@cincinnati-oh.gov

Lt. Steve Schueler
Blue Ash Police Department
4343 Cooper Road
Blue Ash, OH 45242
Work: (513) 745-8571
sschueler@blueash.com

Wed – Nov. 6, 2019

Steve: TEXTBOOK: Homeland Security
Chap. 6 – Surpassing Disproportion

Larry: TERRORISTS IN USA / ARRESTS & PROSECUTIONS: Prof. Bennett’s Current Events folder

Josh: Student Video: CYBERSECURITY – 911 COMMUNICATIONS: discuss with a 911 dispatch manager.

After watching:
Lecture by Josh Gilliam: Oct. 17, 2018

After reading:
“How to Mitigate Cybersecurity Threats to Public Safety Communications Systems” (Dec. 11, 2018)

Additional Resources:

Andrew W. Knapp, O.F.E.
Director
Hamilton County Communications
2377 Civic Center Drive
Cincinnati, Ohio 45231
Work: 513-595-8440
Andrew.Knapp@hamilton-co.org

Sat – Nov. 9, 2019
Steve: **TEXTBOOK: Homeland Security**
Chap. 7 – Failure Of Imagination

Larry: **TERRORISTS IN USA / ARRESTS & PROSECUTIONS:** Prof. Bennett’s Current Events folder

Josh: **Student Video:** CYBERSECURITY – WATER, ELECTRICAL, OTHER MUNICIPAL SYSTEMS - discuss with a municipal system manager.

After reading:

Russian operation hacked a Vermont utility, showing risk to U.S. electrical grid security, [officials say](Dec. 31, 2016)

Lake City, FL: “[UPDATE: Lake City fires employee after paying ransom in malware attack](July 1, 2019)

Baltimore, MD: “[Hackers Won’t Let Up in Their Attack on U.S. Cities - Baltimore is still recovering month after more than one group breached its network](June 7, 2019)

Atlanta, GA: “[Why Are Cities So Vulnerable to Cyber Attack?](March 30, 2018)

- Nov. 13, 2019

Steve: **TEXTBOOK: Homeland Security** – Chap. 8 – Failure of Initiative

Larry: **TERRORISTS IN USA / ARRESTS & PROSECUTIONS:** Prof. Bennett’s Current Events folder

Josh: **Student Video:** CYBERSECURITY – INTERNATIONAL COMPUTER HACKING AND RANSOMWARE; hacking and ransomware; discuss with local FBI Special Agent.

After reading:

**TEXTBOOK:** HOMELAND SECURITY - Chap. 40 – FBI

“[GozNym Cyber-Criminal Network Operating out of Europe Targeting American Entities Dismantled in International Operation - Network Formed by Individuals Who Advertised their Specialized Technical Skills and Services on Underground Russian-Language Online Criminal Forums](May 16, 2019)”
“International Cybercrime Network Taken Down, Key Players Indicted In Pittsburgh” (May 16, 2019)

“Two Iranian Men Indicted for Deploying Ransomware to Extort Hospitals, Municipalities, and Public Institutions, Causing Over $30 Million in Losses” (Nov. 28, 2018)

“Three Members of Notorious International Cybercrime Group ‘Fin7’ In Custody for Role in Attacking Over 100 U.S. companies - Victim Companies in 47 U.S. States; Used Front Company ‘Combi Security’ to Recruit Hackers to Criminal Enterprise” (Aug. 1, 2018)

FBI: “Ransomware Victims Urged to Report Infections to Federal Law Enforcement” (Sept. 15, 2016)

- Sat – Nov. 16, 2019
  
  Steve: TEXTBOOK: Homeland Security
  Chap. 9 – Homeland Security

  Larry: TERRORISTS IN USA / ARRESTS & PROSECUTIONS: Prof. Bennett’s Current Events folder

  Brian: Student Video: HAZMAT / CHEMICAL SECURITY - discuss with your LEPC [Local Emergency Planning Committee] or DHS Chemical Security Inspector and discuss how they help local chemical companies improve security.

  After watching lecture by Brian Canteel

  Additional Resources:

  Doug Witsken
  LEPC Coordinator
  Hamilton County
  Emergency Management & Homeland Security Agency
  2000 Radcliff Drive, Cincinnati, OH 45204
  Work: 513-263-8013
  Cell: 513-312-3242
  doug.witsken@hamilton-co.org
Wed – Nov. 20, 2019

Steve: TEXTBOOK: Homeland Security
Chap. 10 – DHS Formation

Larry: TERRORISTS IN USA / ARRESTS & PROSECUTIONS: Prof. Bennett’s Current Events folder

Brian: Student Video: CRITICAL INFRASTRUCTURE PROTECTION – discuss with a manager of a critical infrastructure facility (public or private) in your community, including improving your Fire Department’s disaster response plan for that facility.

After reading: TEXTBOOK – HOMELAND SECURITY: Chap. 14 – Critical Infrastructure Protection

Additional Resources:

Gregory A. Howard, Protective Security Advisor – Cincinnati District
Cell: 513-526-1018
Gregory.howard@hq.dhs.gov

Sat – Nov. 23, 2019

Steve: TEXTBOOK: Homeland Security
Chap. 11 – DHS Evolution

Larry: TERRORISTS IN USA / ARRESTS & PROSECUTIONS: Prof. Bennett’s Current Events folder

Brian: Student Video: WMD, including Improvised Explosive Devices: watch a DHS “Virtual Instructor Led Training” (VILT) course and discuss how you might improve your Fire Department’s training regarding IEDs.

After reading: TEXTBOOK – HOMELAND SECURITY - Chap. 15 - Counter WMD Strategy

See also:
Improvised Explosive Device (IED) Search Procedures Course
And:
Steve: TEXTBOOK: Homeland Security
Chap. 12 – DHS Progress

Larry: TERRORISTS IN USA / ARRESTS & PROSECUTIONS: Prof. Bennett’s
Current Events folder

Steve: Student Video – FUSION CENTERS – contact a Fusion Center in your state and
discuss how fire service is involved.

After reading:

DHS: State and Major Urban Area Fusion Centers
Greater Cincinnati Fusion Center

• Wed – Dec. 4, 2019

Steve: TEXTBOOK: Homeland Security
Chap. 39 – National Guard

Larry: TERRORISTS IN USA / ARRESTS & PROSECUTIONS: Prof. Bennett’s
Current Events folder

Steve: Student Video: NATION GUARD - discuss with a senior officer in your
state’s National Guard about joint training opportunities with fire service.

After reading: TEXTBOOK: HOMELAND SECURITY - Chap. 39 -
National Guard

• Sat - Dec. 7, 2019

TERM PAPERS

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OTHER RESOURCES FOR TERM PAPERS:

FBI:


Pre-Attack Behaviors of Active Shooters in the U.S. 2000-2013 (Sept. 2018):


West Point – Combatting Terrorism Center

“From Battlefront to Cyberspace: Demystifying the Islamic State’s Propaganda Machine” (June 5, 2019):

The British Hacker Who Became the Islamic State’s Chief Terror Cybercoach: A Profile of Junaid Hussain (April 2018):

Teaching About Terrorism [used at FDNY]

Combating Terrorism Center – West Point

Center For Homeland Defense & Security [UC Fire Science is a member of their University and Agency Partnership Initiative]

See their Master’s degree thesis

See their self-study courses

- The Global Jihadi Threat
- Intelligence for Homeland Security: Organizational and Policy Challenges
- Counterterrorism in the United Kingdom
- Social Network Analysis: An Introduction
- Deception Detection Techniques
- Research Process and Methods
- Understanding Terrorism: A Social Science View on Terrorism
- Transportation Security
- Terrorist Financing and State Response
- Homeland Security in Israel

Also from the Center:

- Radiological Emergency Preparedness (REP) Executive Education Program
- Advanced Thinking in Homeland Security