# Contents

**Notes on Contributors** ................................................................. xiii
**Preface** ...................................................................................... xvi
**Acknowledgments** ................................................................. xxiii
**About the Companion Website** ............................................. xxiv

## 1. The Changing Nature of National Security ............................. 1
   **Introduction** .......................................................... 2
   1.1 Foundations of American Security Policy .......................... 2
       1.1.1 Geopolitics at the Beginning of the Twentieth Century 3
       1.1.2 National Security and World War II ...................... 6
       **Self-Check** ........................................... 8
   1.2 Security in the Cold War Era .......................................... 18
       1.2.1 Bipolarity Versus Multipolarity ......................... 10
       1.2.2 Containing Communism .................................. 12
       1.2.3 Non-Communist Threats ................................. 16
       **Self-Check** ........................................... 17
   1.3 Security in the Post-Cold War Era: Pre-9/11 ...................... 17
       1.3.1 Changing Threats ........................................ 18
       1.3.2 New Conflicts, New Responses ....................... 18
       1.3.3 Reorganization of National Security Policy ........... 20
       **Self-Check** ........................................... 21
   1.4 National Security and Terrorism: Post-9/11 ...................... 21
       1.4.1 Globalization and Geopolitics .......................... 22
       1.4.2 The Bush Administration's Global War on Terrorism 24
       1.4.3 The Obama Administration's New National
            Security Strategy ....................................... 26
       **Self-Check** ........................................... 28
   **Summary** ............................................................ 29
   **Key Terms** .......................................................... 30
   **Assess Your Understanding** ............................................. 35
   **Summary Questions** .................................................. 35
   **Applying This Chapter** ................................................ 36
   **You Try It** ........................................................... 37

## 2. Reassessing the All-Hazards Perspective ............................... 38
   **Introduction** .......................................................... 39
   2.1 Natural Disasters: Things We Can Expect to Happen .......... 39
       2.1.1 The History of Natural Disasters in the United States 40
       2.1.2 Natural Disaster Response ............................... 41
       2.1.3 Natural Disasters in a Post-9/11 World ............... 44
       **Self-Check** ........................................... 46
   2.2 Accidental Hazards: Things We Can Try to Prevent ............ 46
       2.2.1 History of Accidental Hazards in the United States 46
       2.2.2 Accidental Hazard Prevention and Response ........... 48
2.2.3 Accidental Hazards in a Post-9/11 World .......................... 50
   Self-Check ................................................................. 51

2.3 Man-Made Hazards: Things We Hope Don't Happen ........... 51
   2.3.1 History of Man-Made Disasters Caused by
         Human Error in the United States ...................... 52
   2.3.2 Man-Made Disaster Mitigation and Response ............. 53
   2.3.3 Man-Made Disasters in a Post-9/11 World ................ 55
   Self-Check ................................................................. 56

2.4 Reassessing the All-Hazards Perspective and Disasters .......... 56
   Self-Check ................................................................. 59
   Summary ................................................................. 59
   Key Terms ............................................................... 60
   Assess Your Understanding ........................................ 62
   Summary Questions .................................................... 62
   Applying This Chapter ............................................... 64
   You Try It .............................................................. 64

3. US Homeland Security Interests ..................................... 65
   Introduction .................................................................. 66
      3.1.1 The Merging of Traditions ................................ 67
      3.1.2 Prevailing Homeland Security Theories ............... 71
      Self-Check ................................................................. 76
   3.2 Additional Context for Homeland Security .................... 77
      3.2.1 Urban Versus Rural .......................................... 77
      3.2.2 Technologies ................................................... 78
      3.2.3 Political and Economic Factors ......................... 79
      3.2.4 Security Versus Civil Liberties ......................... 81
      Self-Check ................................................................. 84
   3.3 Homeland Security Enterprise ................................... 84
      3.3.1 Federal Partners ............................................... 85
      3.3.2 State and Local Partners ................................. 90
      3.3.3 Whole Community Partners ............................. 91
      Self-Check ................................................................. 97
   3.4 Revisiting the All-Hazards Approach .......................... 98
      Self-Check ................................................................. 100
      Summary ................................................................. 101
      Key Terms ............................................................... 101
      Assess Your Understanding ...................................... 105
      Summary Questions .................................................. 105
      Applying This Chapter ............................................. 106
      You Try It .............................................................. 108

4. Understanding Threat Assessments ............................... 109
   Introduction .................................................................. 110
   4.1 Background on Threat Assessments and Risk Management .... 111
      4.1.1 Risk Management and Threat Assessment from the
             All-Hazards Perspective ..................................... 111
      4.1.2 Assessing Threats and Civil Liberties .................. 113
      4.1.3 Homeland Security Risk Management Doctrine ........ 114
      Self-Check ................................................................. 116
4.2 A General Framework of Analysis: What to Assess
   4.2.1 The Disaster Impact Process
   4.2.2 Pre-Impact Conditions
   4.2.3 Event-Specific Conditions
   4.2.4 Final Thoughts on What to Assess
   Self-Check

4.3 A Matrix Approach: How to Assess
   4.3.1 Risk Matrices
   4.3.2 Composite Exposure Indicator
   4.3.3 HAZUS
   4.3.4 Vulnerability Assessments
   4.3.5 Threat and Hazard Identification and Risk Assessment
   4.3.6 Final Thoughts on How to Assess
   Self-Check

4.4 The Whole-Community Approach of the National Preparedness System
   4.4.1 Prevention
   4.4.2 Protection
   4.4.3 Mitigation
   4.4.4 Response
   4.4.5 Recovery
   Self-Check

5. Critical Infrastructure Security, Emergency Preparedness, and Operational Continuity

5.1 Defining Critical Infrastructure
   5.1.1 Defining the Sectors
   5.1.2 Information Sharing and Analysis Centers
   Self-Check

5.2 Known Threats to Critical Infrastructure
   5.2.1 Natural Hazard Threats
   5.2.2 Terrorism and Human Threats
   5.2.3 Nontraditional Aviation Technology (NTAT)
   5.2.4 Cybersecurity Threats
   Self-Check

5.3 Risk Identification, Analysis, and Management
   5.3.1 Inventory and Critical Assets and Functions
   5.3.2 Intelligence Functions
   Self-Check

5.4 Emergency Operations and Continuity of Planning
   5.4.1 Critical Infrastructure Protection Planning and the All-Hazards Perspective
7.3 The Typology of Violent Non-state Actors

7.3.1 Political/Ideological Terrorism

7.3.2 Ethno-Nationalist or Separatist Terrorism

7.3.3 Religious Terrorism

7.3.4 Motivational Trends in Non-state Terrorism

Self-Check

7.4 Methods of Non-state Violence

7.4.1 Conventional and Unconventional Methods of Non-state Violence

Self-Check

7.5 International Strategies for Countering Non-state Violence

7.5.1 The Military Option

7.5.2 The Political Option

Self-Check

Summary

Key Terms

Assess Your Understanding

Summary Questions

You Try It

8. Cyber-Crime, Cyber-Terrorism, and Cyber-Warfare

Introduction

8.1 The Cyber Threat

8.1.1 Defining Cyber-Crime, Cyber-Terrorism, and Cyber-Warfare

8.1.2 What Can Cyber-Crime, Cyber-Terrorism, and Cyber-Warfare Do?

Self-Check

8.2 Assessing Capability and Intent

8.2.1 Who Can Conduct Cyber-Crime, Cyber-Terrorism, and Cyber-Warfare?

8.2.2 Tools of Cyber-Terrorism

Self-Check

8.3 Assessing Consequences

8.3.1 Why America Is Vulnerable to Cyber-Attacks

8.3.2 The Impact of a Cyber-Terrorist Attack

Self-Check

8.4 Determining Defenses against Cyber-Crime, Cyber-Terrorism, and Cyber-Warfare

8.4.1 The Government and Private Sector Response to Threats in Cyberspace

8.4.2 The US Military Response to Cyber-Warfare

8.4.3 The New Battlefields of Cyber-Warfare

Self-Check

Summary

Key Terms

Assess Your Understanding
9. Weapons of Mass Destruction and Disruption .................................................. 304

9.1 Chemical Weapons and Their Consequences ............................................. 305
  9.1.1 History of Chemical Weapons Use .................................................. 307
  9.1.2 Chemical Agents and Their Effects .................................................. 308
  9.1.3 The Threat of Chemical Weapons and Terrorism .............................. 311
  Self-Check ........................................................................................................ 313

9.2 Biological Weapons and Their Consequences .......................................... 313
  9.2.1 History of Biological Weapons Use .................................................. 313
  9.2.2 Biological Agents and Their Effects .................................................. 315
  9.2.3 The Threat of Biological Weapons and Terrorism .............................. 316
  Self-Check ........................................................................................................ 319

9.3 Nuclear and Radiological Weapons and Their Consequences ..................... 319
  9.3.1 Radiological Materials and Their Effects .......................................... 321
  9.3.2 History of Nuclear Material Discoveries and Weapons Development .... 323
  9.3.3 The Threat of Nuclear Weapons and Terrorism ................................. 324
  9.3.4 Managing Radiological Incidents and Their Aftermath ...................... 327
  Self-Check ........................................................................................................ 329

Summary ............................................................................................................... 329
Key Terms ............................................................................................................. 330
Assess Your Understanding ................................................................................. 332
Summary Questions ............................................................................................. 332
Applying This Chapter ......................................................................................... 333
You Try It .............................................................................................................. 334

10. Domestic Terrorism ......................................................................................... 335

10.1 Terrorism in the United States: Across Time and Space ............................ 337
  10.1.1 Eighteenth- to Twentieth-Century Terrorism .................................... 337
  10.1.2 Late Twentieth-Century Terrorism .................................................... 339
  10.1.3 Early Twenty-First-Century Terrorism .............................................. 340
  Self-Check ........................................................................................................... 344

10.2 Homegrown “Leaderless Resistance” and Foreign Terrorists ..................... 344
  10.2.1 Understanding Leaderless Resistance .............................................. 345
  10.2.2 Origins of Lone Wolves ..................................................................... 346
  10.2.3 Assessing the Lone-Wolf Threat in the United States ....................... 347
  10.2.4 Foreign Terrorist Organizations ......................................................... 349
  10.2.5 Foreign Organizers ............................................................................ 350
  Self-Check .......................................................................................................... 352

10.3 Crime and Terrorism .................................................................................... 353
  10.3.1 Why Would Terrorism and Crime Converge? .................................. 353
  10.3.2 Where Terrorism and Crime Converge and Why It Matters ............. 354
  Self-Check .......................................................................................................... 356
10.4 The US Domestic Response to Terrorism .................................... 356
10.4.1 Countering Violent Extremism (CVE) ................................. 357
10.4.2 The Lead Agency Approach and Counterterrorism ................. 359
10.4.3 Police and Counterterrorism .............................................. 360
Self-Check .................................................................................. 364
Summary ..................................................................................... 365
Key Terms ................................................................................. 366
Assess Your Understanding .......................................................... 369
Summary Questions ..................................................................... 370
You Try It .................................................................................... 371

11. Enablers of Mass Effects ................................................................. 372
Introduction .................................................................................. 373
11.1 The Power of Information and Ideas ........................................... 373
11.1.1 Ideas and Terrorism ........................................................... 376
11.1.2 Ideas and Disasters ............................................................. 378
Self-Check .................................................................................. 381
11.2 Media and Terrorism ................................................................. 381
11.2.1 The Internet and Terrorism ................................................ 382
11.2.2 Social Media, Terrorism, and Disaster Response .................. 386
Self-Check .................................................................................. 395
11.3 The Role of Educational Institutions .......................................... 395
11.3.1 Alternative Educational Institutions .................................... 396
11.3.2 International Students in the United States ......................... 396
Self-Check .................................................................................. 399
Summary ..................................................................................... 399
Key Terms ................................................................................. 400
Assess Your Understanding .......................................................... 402
Summary Questions ..................................................................... 402
Applying This Chapter ................................................................. 402
You Try It .................................................................................... 404

12. Homeland Security Intelligence .................................................... 405
Introduction .................................................................................. 406
12.1 Intelligence and Homeland Security ......................................... 406
12.1.1 NYPD Surveillance of Muslim Communities ....................... 406
12.1.2 What Is Intelligence? .......................................................... 407
12.1.3 The Limited Historical Role of Intelligence in Domestic Affairs ............................................................................. 411
Self-Check .................................................................................. 412
12.2 The Structure of Intelligence Organizations ............................... 412
12.2.1 National-Level Intelligence Organizations ............................ 414
12.2.2 The Department of Homeland Security and Intelligence .......... 418
12.2.3 State, Local, and Tribal Government .................................... 420
12.2.4 The Private Sector .............................................................. 422
12.2.5 Intelligence Collaboration ................................................... 423
Self-Check .................................................................................. 427
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.3 Methods of Collecting Intelligence Information</td>
<td>427</td>
</tr>
<tr>
<td>12.3.1 Human Intelligence Collection</td>
<td>429</td>
</tr>
<tr>
<td>12.3.2 Open-Source Intelligence Collection</td>
<td>430</td>
</tr>
<tr>
<td>12.3.3 Technical Intelligence Collection</td>
<td>432</td>
</tr>
<tr>
<td>Self-Check</td>
<td>436</td>
</tr>
<tr>
<td>12.4 Challenges to Homeland Security Intelligence</td>
<td>436</td>
</tr>
<tr>
<td>12.4.1 Balancing Liberty and Security in Homeland Security Intelligence</td>
<td>437</td>
</tr>
<tr>
<td>12.4.2 Intelligence Support to Disaster Relief</td>
<td>440</td>
</tr>
<tr>
<td>Self-Check</td>
<td>441</td>
</tr>
<tr>
<td>Summary</td>
<td>441</td>
</tr>
<tr>
<td>Key Terms</td>
<td>443</td>
</tr>
<tr>
<td>Assess Your Understanding</td>
<td>446</td>
</tr>
<tr>
<td>Summary Questions</td>
<td>446</td>
</tr>
<tr>
<td>Applying This Chapter</td>
<td>447</td>
</tr>
<tr>
<td>You Try It</td>
<td>448</td>
</tr>
<tr>
<td>13. Homeland Security Planning and Resources</td>
<td>449</td>
</tr>
<tr>
<td>Introduction</td>
<td>450</td>
</tr>
<tr>
<td>13.1 Basics of Homeland Security Planning</td>
<td>450</td>
</tr>
<tr>
<td>13.1.1 Planning for Homeland Security Activities</td>
<td>451</td>
</tr>
<tr>
<td>13.1.2 Quadrennial Homeland Security Review</td>
<td>452</td>
</tr>
<tr>
<td>13.1.3 Expanding on the QHSR: The DHS Strategic Plan</td>
<td>454</td>
</tr>
<tr>
<td>13.1.4 Final Thoughts on the QHSR</td>
<td>456</td>
</tr>
<tr>
<td>Self-Check</td>
<td>457</td>
</tr>
<tr>
<td>13.2 Coordinating Homeland Security Planning</td>
<td>457</td>
</tr>
<tr>
<td>13.2.1 The Six-Step Planning Process</td>
<td>458</td>
</tr>
<tr>
<td>13.2.3 SMART Measurement</td>
<td>462</td>
</tr>
<tr>
<td>Self-Check</td>
<td>463</td>
</tr>
<tr>
<td>13.3 The Logic Model: A Process Framework to Visually Demonstrate the Performance Measurement Process</td>
<td>463</td>
</tr>
<tr>
<td>13.3.1 Components of a Logic Model</td>
<td>464</td>
</tr>
<tr>
<td>13.3.2 Challenges in Performance Measurement</td>
<td>467</td>
</tr>
<tr>
<td>Self-Check</td>
<td>467</td>
</tr>
<tr>
<td>13.4 Education in Homeland Security</td>
<td>468</td>
</tr>
<tr>
<td>13.4.1 Homeland Security Education Core Curricula</td>
<td>468</td>
</tr>
<tr>
<td>13.4.2 Research in Homeland Security: Trends and Future Thoughts</td>
<td>471</td>
</tr>
<tr>
<td>Self-Check</td>
<td>473</td>
</tr>
<tr>
<td>Summary</td>
<td>473</td>
</tr>
<tr>
<td>Key Terms</td>
<td>474</td>
</tr>
<tr>
<td>Assess Your Understanding</td>
<td>476</td>
</tr>
<tr>
<td>Summary Questions</td>
<td>476</td>
</tr>
<tr>
<td>Applying This Chapter</td>
<td>476</td>
</tr>
<tr>
<td>You Try It</td>
<td>478</td>
</tr>
</tbody>
</table>

References ......................................................... 479
Index .............................................................. 538