| Allotted Time | Topic | Presenter(s) |
| --- | --- | --- |
| 0.25 hour | **Welcome, Overview, Ground Rules, and Introductions of NHMA Instructors** | **Tom Hughes**, State Hazard Mitigation Officer, Pennsylvania Emergency Management Agency  |
| 0.50 hour | **Module 1: Introduction to the Natural Hazard Mitigation Association (NHMA) and Disaster Risk Reduction (DRR) Ambassador Curriculum**This module defines DRR and introduces the NHMA. It describes NHMA Local Initiatives, including publications to assist communities to navigate the programs and resources for DRR; the Resilient Neighbors Network, outreach to traditional and non-traditional DRR partners, and the DRR Ambassador Curriculum. | **Edward Thomas, Esq.**, President, Natural Hazard Mitigation Association |
| 1.25 hour | **Module 2: Introduction to Disaster Risk Reduction as a Foundation of Whole Community Resilience** This module introduces the basic concepts of community resilience, mitigation, and climate adaptation from a community perspective. It provides a rationale for disaster risk reduction as a foundation of community resilience, introducing the concept of Four Circles of Resilience and Sustainability. Module 2 also discusses trends in damages and costs of natural disasters as well as suggested solutions, publications that promote resilience and disaster risk reduction, and important considerations for plotting a path forward toward a resilient future. | **Ed Thomas****Erin Capps, JD**,Vice President, NHMA/ VP Operations, H2O Partners Inc. |
| 1.25 hour | **Module 5. Approaching the Challenge of Disaster Risk Reduction** Given the unique circumstances under which community leaders pursue disaster risk reduction and resilience, a systematic approach is useful. This module introduces the 2015 National Institute of Standards and Technology (NIST) Community Resilience Planning Guide for Buildings and Infrastructure Systems, which provide a practical and flexible overall approach for setting priorities and allocating resources to manage risks for various hazards. | **Steve Cauffman**, Research EngineerCommunity Resilience GroupNational Institute of Standards and Technology |
| 1.00 hour | **Module 4: Whole Community Disaster Risk Reduction and Adaptation** This module introduces the whole community apprch to DRR and how communities can use mitigation to adapt and become more resilient; and provides a lens into what two communitites, with unique hazards and challenges, have undertaken to achieve DRR. It includes lessons learned from the RNN and also describes how each community faces unique hazards and their own physical, social, and economic challenges, but shares the common goal of reducing risk and vulnerability and becoming a more resilient community.  | **Barbara Miller, CEM, CFM**, Director Jefferson County Homeland Security and Emergency Management **Rebecca Joyce**, Senior Planner/Program ManagerCentral Shenandoah Planning District Commission |
| 1.00 hour | **Module 16: Linking Catastrophe Insurance to Disaster Risk Reduction**This module describes the leading causes of catastrophe (CAT) losses globally, introduces the protection gap, and describes CAT models and new innovations that could solve the protection gap. The content is intended to provide community representatives with information that they can take away, evaluate, and implement in their own financial and economic practices to manage the risks in their communities.  | **Nick Lamparelli**, Partner, Blogger & Podcaster at InsNerds.com |
| 1.25 hour | **Module 8: Leveraging Resources to Improve Disaster Risk Reduction: Part I: An Introduction to “Building Your Roadmap To A Disaster Resilient Future”**This module introduces the successor document to NHMA’s “Living Mosaic” and “Patchwork Quilt.” It provides an interactive discussion of how to: vision an outcome that meets the needs of the community; find technical assistance to achieve that vision; locate funding sources; continue to pursue resilience in the aftermath of a declared major disaster; and learn from examples of successes achieved by a wide array of communities. FEMA’s new *Pre-Disaster Recovery Planning Guide for Local Governments* may also be introduced. | **Ed Thomas**Possible FEMA representative |
| 1.00 hour | **OPTIONAL EVENING SESSION TO FURTHER EXPLORE** “Building Your Roadmap To A Disaster Resilient Future” | **Ed Thomas** |
| 1.00 hour | **Module 18: Design for Flood Resilience: Part I: Floodplain Management: A Key to Disaster Risk Reduction**This module identifies the direct and indirect risks associated with different types of flooding and reviews watersheds, floodplains, aquifers and floodways. It describes floodplain management and watershed management planning based on future conditions for disaster risk reduction, and provides examples of flood resistant design measures for buildings and infrastructure. | **Don Watson FAIA, CIP**, EarthRise design  |
| 1.00 hour | **Module 19: Design for Flood Resilience: Part II: Green Infrastructure / Low Impact Development**This module defines measures to maintain and improve healthy inland waterways and floodplain and state how green infrastructure reduces stormwater costs and flood risk. | **Michele Adams, P.E.**,Meliora Environmental Design |
| 1.25 hour | **Module 20: Floodplains, Floodways and Wetlands: Understanding the Limitations of FEMA Flood Maps**This module continues to explore the unrelenting increase in flood losses and examines the impact of the National Flood Insurance Program (NFIP) on flood loss reduction. It addresses the limitations of current NFIP mapping in communicating current and future flood risk, and discusses the Community Rating System and Grandfathering as part of a long term solution to flood loss. | **Ed Thomas** |
| 0.50 hour | **Participant Feedback and Path Forward with DRR-A Curriculum Development** | **Gina Wightman**, President,Wightman & Associates |