



Pennsylvania State Fire Academy

1150 Riverside Drive
Lewistown, PA 17044-1979

Pennsylvania Emergency Management Agency

2605 Interstate Drive
Harrisburg, PA 17110

Minimum Standard for Accreditation (MSA)

Original program: OCT 2013

Revised: NOV 2014

Course Title: G-271, Hazardous Weather and Flooding Preparedness (G-271)

Length of Course: 16 hours; **Lecture/Lab Breakdown:** 14 hours/2 hours

Prerequisites: None

Target Audience: This course has been developed for Emergency Managers to include local government elected and emergency management positions and allied professionals who plan and implement their community's response to severe weather.

Referenced Texts: The Student Manual (OCT 2013), the Instructor Guide (OCT 2014), and National Weather Service Reference Guide (OCT 2010) are provided by PEMA.

Course Goal: The goal of the course is to enhance the students' ability to recognize potentially hazardous weather and flooding situations so they are equipped to plan appropriately and to coordinate effective responses.

Description of Course: The purpose of this course is to provide training for local and state Emergency Managers who respond to hazardous weather events, while promoting partnership and coordination between the National Weather Service (NWS) and Emergency Managers.

Description of Methodology to be used: (Brief): Lecture, PowerPoint presentations, activities, and comprehensive exam.

Student Equipment/Supply Needs: Note-taking materials (pen/pencil, paper). PEMA will provide a basic training manual for each participant.

Equipment/Audiovisual/Supply requirements: Classroom setting with chairs and tables, computer, LCD projector and screen, plus additional handouts per instructor choice.

Special Notes & Conditions: Minimum of 12 students, maximum of 30 students in class. Two (2) instructors are required for delivery of this course. Considering the complexity and wealth of products and services available from the National Weather

Service (NWS) which are discussed during this course, presenters must be NWS staff meteorologists from the NWS regional office in which the course is being held.

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COURSE OUTLINE

<u>Content</u>	<u>Time</u>	<u>Notes</u>
<u>Day 1</u>		
Unit 1: Introduction and Course overview	0.5 hrs.	
Unit 2: Weather Overview	2.0 hrs.	
Unit 3: Introduction to Hazardous Weather	2.5 hrs.	
Unit 4: Role of the Emergency Manager	3.0 hrs.	
<u>Day 2</u>		
Unit 5: NWS Hazardous Weather products	3.0 hrs.	
Unit 6: Projecting Impacts of Hazardous Weather	2.0 hrs.	
Unit 7: Activity	2.0 hrs.	
Unit 8: Course Summary	0.5 hrs.	
Final Exam	0.5 hrs.	

Note: Times are flexible due to class size, student backgrounds, etc.

Competency Evaluation Mechanism (Brief description--attach copy): Periodic questioning by instructor throughout presentation, class participation, and at least 35 points on a 50 point Post-Course Exam (17-question mix of multiple answer questions, matching questions, and essay questions).

Course Objectives (specific): At the conclusion of this course, participants should be able to:

- Analyze how the components of weather interact to create hazardous weather.
- Anticipate the impact of hazardous weather events in order to enhance preparedness.
- Evaluate actions taken by Emergency Managers to prepare for and respond to actual hazardous weather events.
- Interpret information contained in National Weather Service forecast and warning products, and other weather resources.
- Assess their community's state of readiness for hazardous weather and flooding events.
- Evaluate the effectiveness of emergency response actions for a given scenario.

Questions/Comments: Contact the Assistant State Fire Academy Administrator