

FE211

NFPA 1072 Dangerous Goods, Responder – Operations Level

2 Credits

Instructor: TBA

Phone:

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FE211 Version: 4



NFPA 1072 Dangerous Goods, Responder – Operations Level

Calendar Description

This course gives the student the basic knowledge and skills to predict the behaviour of both dangerous goods and their containers. This is the only way the potential harm to life, environment and property can be estimated. Students also learn to plan a response, protect themselves and their equipment from contamination, implement the response, monitor the incident, and evaluate the progress of the response.

Rationale

Once you know there are dangerous goods at the scene, the first responder, at the operational level, must take steps to analyze the incident. Containers and materials must be identified, conditions must be evaluated and you must determine if dangerous goods have been released. This information forms the basis of the dangerous goods team's approach to the incident and will help control the incident scene.

Prerequisites

FE111

Co-Requisites

None

Course Learning Outcomes

Upon successful completion of this course, students will be able to

1. identify and explain the roles and responsibilities of operations level personnel at a dangerous goods incident.
2. identify and explain the hazards and tactical considerations when operating at a dangerous goods incident.
3. identify and demonstrate the procedures for responding to a dangerous goods incident. Determine control zones, identify need to initiate shelter in-place or evacuation, demonstrate emergency decontamination procedures and preserve evidence.

4. identify, explain, and demonstrate operational level tasks and responsibilities in relation to safety, communication, equipment/product use and maintenance, and search and rescue missions
5. define the chemical and physical properties of dangerous goods and differentiate between hazardous situations at the scene, including container and tank stability.

Resource Materials

Required Text(s):

IFSTA. (2018). *Essentials of firefighting and fire department operations* (7th ed.).

Stillwater, OK: Fire Protections Publications. Print.

Conduct of Course

This course is presented through the use of the required text, lecture, video, field demonstrations, and D2L.

Evaluation Procedures

There is a 50 item multiple-choice exam based on the objectives with the grades determined using the grade scale under the Grades section of this course outline.

Quizzes and tests on D2L are used as assignments of the program by the faculty. The tests are used for ensuring that students are succeeding in their learning, and underachievement may lead to academic probation.

Grade Equivalents and Course Pass Requirements

The final mark is given as a letter grade.

Letter	F	B-	B	B+	A-	A	A+
Percent Range	0-69	70-74	75-79	80-84	85-89	90-94	95-100
Points	0.00	2.70	3.00	3.30	3.70	4.00	4.00

Attendance

Regular attendance is essential for success in any course. Absence for any reason does not relieve a student of the responsibility of completing course work and assignments to the satisfaction of the instructor. Poor attendance may result in the termination of a student from a course.

Course Units/Topics

Topics included but not necessarily in this order:

- Surveying the Incident and Collecting Information
- Predicting the Behaviour of a Material
- Estimating the Potential Harm
- Planning the Response
- Implementing the Planned Response
- Evaluating Progress



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