



Wayne County Community College District

COURSE SYLLABUS

FPT 275 Hazardous Materials in Fire Service Operations

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

This theory based class enhances knowledge in hazardous materials for the hazardous materials responder. The student will look in-depth at topics such as the physical and chemical properties of hazardous materials, USDOT regulation for hazardous materials, emergency response to hazmat incidents, potential hazards at these incidents, and hazmat prevention techniques.

PREREQUISITE: *FPT 120*

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will:

1. Describe a hazardous materials incident.
2. Recognize the signs indicating a hazardous material is involved in an incident.
3. Describe the general duties of a firefighter at a hazardous material incident.
4. Describe the basic concepts of physical science that affect a hazardous material incident.
5. Describe the PPE necessary when responding to a hazardous materials incident.
6. Describe the methods to identify the materials involved at a hazardous materials incident.
7. List additional response resources available for a hazardous material incident.
8. List the state and federal agencies/regulations governing hazardous material incidents.
9. Perform each first responder roll in a mock hazardous material incident.

ASSESSMENT METHODS:

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:

90%-100% = A
80%-89.9%= B
70%-79.9%= C
60%-69.9%= D
<60% = E