## MOHAWK VALLEY COMMUNITY COLLEGE

**UTICA AND ROME, NEW YORK**

**COURSE OUTLINE**

**FP 105 Hazardous Materials C-2.5, P-2, Cr-3.5**

1. **Course Description**

This course prepares emergency responders to respond effectively and safely to stabilize a hazardous materials incident from both a defensive and offensive position. It includes information on recognizing and identifying potential hazardous materials and the classification of such material. It also includes material and skill sessions in these areas: chemistry and toxicology of materials, dangerous properties of materials, detection equipment, protective equipment, confinement and mitigation concepts, and decontamination procedures.

1. **Major Topics**

* Hazardous Materials Awareness
* Classification of Hazardous Materials
* Personal protective equipment
* Detection equipment
* Confinement and mitigation procedures
* Decontamination procedures

**Student Leaning Outcomes**

At the conclusion of this course, the student will be able to:

* Classify hazardous materials and discuss their relationship to fires as fuel.
* Identify the basic chemistry, toxicology and properties of materials.
* Demonstrate the proper use of personal protective equipment and detection equipment.
* Choose proper confinement and mitigation procedures.
* Recommend and demonstrate decontamination procedures.
* Demonstrate proficiency in skill testing of basic firefighting.