



RESCUE SOUTH AFRICA
HAZARDOUS MATERIALS
RESCUE

Hazardous Materials

Preamble

The instructors that will be presenting this program are considered specialists in the field.

Intended Audience

This course is designed for any persons who in the course of their normal duties would be required to rescue patients from hazardous material incidents.

Desired Outcome

The aim of this module is to introduce you to the knowledge and skills needed when dealing with a hazardous material incident.

Duration: 5 Days

Min/Max No of Delegates: 8/12

Course Prerequisites

Grade 12 (NQF4) certificate or equivalent ABET / RPL recognition

Medical certificate indicating that you are in good health

Current HPCSA registration as a Rescue Practitioner

Successful completion of the institutions physical fitness assessment

Core Content

Introduce you to the concept of hazardous materials and the common terminology related to that field of practice.

Knowledge of the general properties of hazardous substances and their potential effects on persons and the environment.

Knowledge, skills and insight needed to identify, select and utilize appropriate protective clothing or equipment when dealing with an incident involving a hazardous substance.

Knowledge, skills and insight needed to correctly identify, classify and manage a hazardous substance until expert help arrives.

Risk assessment and the generic principles behind managing hazardous materials incidents.

Knowledge. Skills and insight needed to effectively manage a hazardous materials incident.

Insight needed to prioritize actions and implement defensive control measures / strategies when dealing with hazardous substances.

Common classes of hazardous substance and provide you with the fundamental principles of managing each class.

Introduce and orientate you to the procedures and processes of decontamination

Course Details

The aim of this module is to introduce you to the knowledge and skills needed when dealing with a hazardous material incident. Each section has been carefully designed

to provide you with important learning tasks and experiences, each of which is linked to an expected learning outcome.

On completion of each section it is important that you refer to the expected learning outcomes stated at the end of the section and ask yourself: "have I achieved all the outcomes as stated?" If the answer is no then the onus is on you to approach your

lecturer and or revisit the learning content to ensure that remedial intervention is initiated. It cannot be overemphasized that you will be assessed both during the module and on completion thereof in order to measure to what extent you have achieved the learning outcomes as stated. Simply put; the assessment criteria are directly linked to the various learning outcomes, failure to achieve the learning outcomes will result in you having to repeat the module.

A word on safety

Safety is everyone's concern not only the instructors! Since most accidents involve basic errors your attention is drawn to the following:

- (1) You will be heavily penalised if the instructor has to continuously correct safety errors.
- (2) You will be penalised should you fail to inspect your equipment prior to use
- (3) You are obliged to immediately report all lost and or damaged equipment to your lecturer.

About the patient

As an aspirant rescue practitioner you are once again reminded that the central focus of any rescue incident is the patient and not the rescue operation. All scenarios will involve a patient and should appropriate medical management according to your registered scope of practice not be applied or provided, you will fail the assessment (regardless of how well your rescue operation was conducted).

Course Outline

The learning content for the Hazardous Materials module is divided into nine sections:

Section A	Introduction to hazmat rescue
Section B	Properties of hazardous materials
Section C	Personal protective Equipment
Section D	Recognition of Hazardous Materials
Section E	Risk assessment
Section F	Incident command
Section G	Defensive control strategies
Section H	Specific incident management
Section I	Decontamination
Section J	Assessment