



RESCUE SOUTH AFRICA
TRAINING PROSPECTUS
2022

INTRODUCTION

Rescue South Africa is a non-profit organisation that has been dedicated to uplift African first responder resources by building robust search and response capacity within the emergency services arena on the African continent over the last 12 years.

We offer top quality team rescue training courses for fire and associated personnel. Our curriculum of courses is modular and include the University of Johannesburg accredited Advanced Rescue Practitioner qualification:

BASIC RESCUE PRACTITIONER

- *High Angle 1 Rescue – 10 days*
- *Fire Search and Rescue – 5 days*
- *Motor Vehicle Rescue – 10 days*

BRIDGING COURSE

- *High Angle 2 Rescue – 10 days*

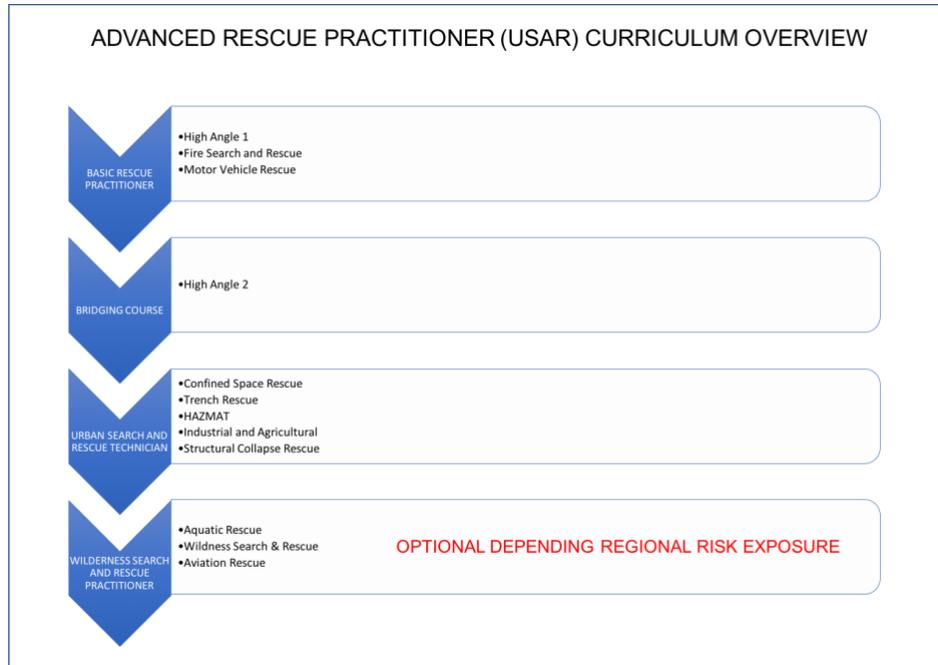
URBAN SEARCH AND RESCUE PRACTITIONER

- *Hazardous Materials Rescue – 5 days*
- *Confined Space Rescue – 5 days*
- *Trench Rescue – 10 days*
- *Structural Collapse Rescue – 10 days*
- *Industrial and Agricultural – 3 days*

WILDERNESS SEARCH AND RESCUE PRACTITIONER

- *Aquatic Surface Rescue (Swift Water and Small Boat Handling) – 10 days*
- *Aviation Rescue – 4 days*
- *Wilderness Search and Rescue – 10 days*

The above courses need to be completed sequentially in order to qualify to register for the next Rescue Qualification. High Angle 2 needs to be completed after the Basic Rescue Practitioner Course in order to move on and specialise.



We also offer bespoke training courses including Breathing Apparatus, BA Escape Courses, Heavy Lifting and Basic Fire Fighting to various Fire Departments, Emergency Services personnel and corporate South Africa.

There are two instructors per course and each course has a minimum intake of 8 delegates and a maximum of 14 delegates, ensuring that the instructor learner ratio is at best-practice standards.

Rescue South Africa has been recommended for accreditation by merSETA and our accreditation number will be published in due course.

Should you wish to invest in upskilling your emergency responders with the proper skills to mitigate disaster impact in your environment, please contact us for a competitive quote.

Mobile: +27 (0)82 459-9765

Email: admin@rescue-sa.co.za or ian@rescue-sa.co.za

For further information please visit our website www.rescue-sa.co.za

CURRICULUM OVERVIEW – URBAN SEARCH AND RESCUE PROGRAMME

In order to qualify for the USAR courses, delegates should be young, fit and intelligent individuals with the following:

- Matric or Grade 12 equivalent
- Basic patient care certificate
- Identity document or passport
- Fire Fighter 1 and 2 – or equivalent (Optional / recommended)

1. BASIC RESCUE PRACTITIONER

1.1 HIGH ANGLE ONE

Preamble

The instructors that will be presenting this programme 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 operate in a high angle rescue environment. This includes patient access and single person rope rescues.

Desired Outcome

After being assessed as competent candidates will be able to safely access a patient and perform a single person rescue and be able to operate as an integral part of a team that undertakes rescue operations in a high angle environment.

Duration: 10 Days

Min/Max No of Delegates: 8/15

Course Prerequisites

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

Medical certificate indicating that you are in good health

Current HPCSA registration

Successful completion of the institutions recommended physical fitness assessment

Core Content

High Angle Rescue definitions and legislation.

High Angle Rescue equipment.

Patient based rescue approach.

Anchors (single and multiple), abseiling, ascending, belay, lowering, patient packaging and pick-offs.

Practical evolutions.

Course Details

The aim of this module is to provide you with the fundamental rope rescue knowledge, skills and insight needed to access areas using single person rope work skills, lower equipment and rig basic systems in a safe and efficient manner.

This High Angle I module should provide you with the necessary rope work knowledge and skills that will act as a foundation for the High Angle II rope rescue module.

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 over emphasised 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.

Course Outline

The learning content for the High Angle I module is divided into nine sections:

- Section A Introduction to high angle rescue
- Section B Knots
- Section C High angle equipment
- Section D Anchor points and rigging systems
- Section E Belaying
- Section F Abseiling

Section G	Ascending
Section H	Patient packaging
Section I	Assessment

1.2 FIRE SEARCH AND RESCUE

Preamble

The instructors that will be presenting this programme are considered specialists in the field and, as well as having considerable road experience, have all either judged or participated in both national and international competitions.

Intended Audience

This course is designed for any persons who in the course of their normal duties would be required to extricate and/or rescue a person involved in a fire incident.

Desired Outcome

After being assessed as competent the candidate will be able to operate as an integral part of a team that undertakes fire search and rescue incidents.

Duration: 5 Days

Min/Max No of Delegates: 8/15

Course Prerequisites

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

Medical certificate indicating that you are in good health

Current HPCSA registration

Successful completion of the institutions physical fitness assessment

Core Content

Fire behaviour and the fire tetrahedron

Compartment fire behaviour

Actions to take in the case of an emergency

Classes of fire

Types of firefighting equipment (handheld extinguishers and hose reels).

Application of firefighting techniques and classes of fire extinguishers

Course Details

The aim of this module is to focus on the activities surrounding the searching for and rescuing of victims and potential victims of a fire incident. The job of the fire rescue technician is not primarily to put out the fire, although by virtue of his training, on completion of this module he could prove to be a valuable source of assistance for the professional fire fighter.

This fire search and rescue module was designed to provide you with the BASIC fire search and rescue skills as well as the appropriate knowledge and insight needed to keep you safe on a fire ground whilst empowering you to conduct a search in low visibility areas.

One should remember that the learning outcomes of this particular module are not only useful in the fire search & rescue setting but also comprise of many generic rescue skills and important learning outcomes (such as the use of breathing apparatus and working with ladders). Such outcomes are critical components of the foundational knowledge assumed to be in place before you embark upon additional modules as you further your rescue education.

The academic and practical standards of this module are in line with those of the Tertiary Medical Rescue Technology Modules offered as part of the National Diploma Emergency Medical Care, and as such fulfil the specified SAQA (South African Qualifications Authority) outcomes for this field.

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 over emphasised 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.

Course Outline

Section A	Fire Behaviour
Section B	Personal Protective Equipment
Section C	Fire Fighting Equipment
Section D	Search & Rescue
Section E	Assessment

1.3 MOTOR VEHICLE RESCUE

Preamble

The instructors that will be presenting this programme are considered specialists in the field and, as well as having considerable road experience, have all either judged or participated in both national and international competitions.

Intended Audience

This course is designed for any persons who in the course of their normal duties would be required to extricate and/or rescue a person involved in a motor vehicle accident.

Desired Outcome

After being assessed as competent the candidate will be able to operate as an integral part of a team that undertakes motor vehicle rescues.

Duration: 10 Days

Min/Max No of Delegates: 8/15

Course Prerequisites

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

Medical certificate indicating that you are in good health

Current HPCSA registration

Successful completion of the institutions physical fitness assessment

Core Content

- Motor vehicle construction.
- New car technology including active and passive safety systems.
- Patient based rescue approach.
- The nine stages of a rescue evolution.
- Scenario based evolutions (vehicle on its wheels, roof, side, etc.).
- Candidates will be required to perform all the roles that are necessary at a real rescue scene (command, tool technician, medic and gopher).

Course Details

The aim of this module is to provide you with the fundamental knowledge, skills and insight needed to conduct a vehicle rescue and subsequent extrication of an ill or injured patient.

The academic and practical standards of this module are in line with those of the Tertiary Medical Rescue Technology Modules offered as part of the National Diploma Emergency Medical Care, and as such fulfil the specified SAQA outcomes for this field.

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 over emphasised 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.

Course Outline

Section A	Introduction to vehicle rescue
Section B	Motor vehicle design & construction
Section C	Hand tools

Section D	Pneumatic power equipment
Section E	Hydraulic power equipment
Section F	Miscellaneous equipment
Section G	Vehicle rescue operations
Section H	Incident command and control
Section I	Specialised vehicle rescue
Section J	Assessment

2. BRIDGING COURSE

HIGH ANGLE TWO

Preamble

The instructors that will be presenting this programme 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 operate at a technician level in a high angle rescue environment.

Desired Outcome

After being assessed as competent the candidate will be able to operate as an integral part of a team that undertakes rescue operations in a high angle environment.

Duration: 10 Days

Min/Max No of Delegates: 8/15

Course Prerequisites

High Angle 1

Medical certificate indicating that you are in good health

Current HPCSA registration

Successful completion of the institutions recommended physical fitness assessment

Course Details

The aim of this module is to provide you with the necessary insight, theoretical knowledge and technical skills needed to function as an independent rope rescue technician. 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 over emphasized 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.

Course Outline

Section A	Specialised high angle rescue equipment
Section B	Pick offs
Section C	Patient management, packaging and stretcher rigging
Section D	Advanced anchoring systems
Section E	Principles of mechanical advantage
Section F	Application of advantage systems
Section G	Suspension systems
Section H	Climbing emergencies
Section I	Pole top rescue
Section J	Assessment

3. URBAN SEARCH AND RESCUE TECHNICIAN

3.1 CONFINED SPACE RESCUE

Preamble

The instructors that will be presenting this programme are considered specialists in the field. The legislative and theoretical components are based on both South African Legislation and the N.F.P.A. Standards.

Intended Audience

This course is designed for any persons who in the course of their normal duties would be required to assess, enter and rescue patients from a confined space.

Desired Outcome

After being assessed as competent the candidate will be able to operate as an integral part of a team that undertakes rescue operations in a confined space environment.

Duration: 5 Days

Min/Max No of Delegates: 8/15

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 with High Angle II

Core Content

Confined space definitions and legislation.

Confined space hazard assessment and hazard management.

Confined space documentation.

Patient based rescue approach.

The nine stages of a rescue evolution.

Scenario based evolutions (vertical, horizontal and tank rescues).

Candidates will be required to perform all the roles required during a rescue scene (command, tool technician, medic and gopher).

Course Details

The aim of this module is to enable you to safely and effectively rescue a person from a confined space without becoming a victim yourself. This module meets and exceeds the NFPA 1670 Standards on Operations and Training for Technical Rescue Incidents, 1999 Edition, on Technician level.

The academic and practical standards of this module are in line with those of the Tertiary Medical Rescue Technology Modules offered as part of the National Diploma Emergency Medical Care, and as such fulfil the specified SAQA outcomes for this field.

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 over emphasised 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.

Course Outline

Section A	Introduction to confined space rescue
Section B	Definitions
Section C	Dangers associated with confined spaces
Section D	Confined space rescue equipment
Section E	Rescue Operations
Section F	Assessment

3.2 TRENCH RESCUE

Preamble

The instructors that will be presenting this programme 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 access, enter and rescue patients from a trench.

Desired Outcome

- After being assessed as competent the candidate will be able to operate as an integral part of a team that undertakes rescue operations in trenches.
- Candidates will be assessed at a technician level and will be required to demonstrate shoring systems (pneumatic, timber and screw), tool operations and a sound theoretical knowledge.

Duration: 10 Days

Min/Max No of Delegates: 8/15

Course Prerequisites

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

Medical certificate indicating that you are in good health

The candidate should be High Angle 2 and Confined Space Rescue qualified

Successful completion of the institutions physical fitness assessment

Core Content

- The structure of a trench
- Causes of a collapse
- Trench rescue safety
- The trench rescue system

- Trench stabilisation
- Patient stabilisation, extrication and removal
- Scenario based training (straight, X, T, L, sidewall collapse, slough in and non-collapse related incidents)
- Candidates will be required to perform all the roles required during a rescue scene (command, tool technician, medic and gopher)

Course Details

The aim of this module is to introduce you to the fundamental concepts of trench rescue whilst providing you with the necessary knowledge, skills and insight needed to effectively manage a trench rescue 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 over emphasised 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.

Course Outline

- | | |
|-----------|-------------------------------|
| Section A | Introduction to Trench Rescue |
| Section B | Trench rescue equipment |
| Section C | Action plan |
| Section D | Assessment |

3.3 HAZARDOUS MATERIALS

Preamble

The instructors that will be presenting this programme 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: 8/15

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 utilise 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 prioritise 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 over emphasized 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.

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

3.4 AGRICULTURAL AND INDUSTRIAL RESCUE

Preamble

The instructors that will be presenting this programme 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 perform rescue operations in an agricultural or industrial environment.

Desired Outcome

After being assessed as competent candidates will be able to safely administer agricultural or industrial rescues and be able to operate as an integral part of a team that undertakes rescue operations in these environments.

Duration: 3 Days

Min/Max No of Delegates: 8/15

Course Prerequisites

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

Current HPCSA registration as a Rescue Practitioner with High Angle 2

Successful completion of the institutions physical fitness assessment

Core Content

The aim of this module is to provide you with the fundamental rescue knowledge, skills and insight needed to perform Agricultural and Industrial Rescue.

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 over emphasised 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.

Course Outline

- Section A Persons trapped in machinery
- Section B Escalator incidents
- Section C Lifts & lift shaft incidents
- Section D Incidents involving electrical hazards
- Section E Incidents involving hazardous substances
- Section F Mechanical hazards
- Section G Non-mechanical rescues
- Section H Assessment

3.5 STRUCTURAL COLLAPSE RESCUE

Preamble

The instructors that will be presenting this programme 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 assess, enter and rescue patients from a collapsed structure.

Desired Outcome

After being assessed as competent the candidate will be able to operate as an integral part of a team that undertakes rescue operations in collapsed structures.

Candidates will be assessed at a technician level and will be required to demonstrate shoring systems, tool operations and a sound theoretical knowledge

Candidates will also be familiar with team deployment on a regional, national and international basis.

Duration: 10 Days

Min/Max No of Delegates: 8/15

Course Prerequisites

The candidate should be competent in High Angle 2, Confined Space, Trench Rescue and Hazmat rescue

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

Medical certificate indicating that you are in good health

Successful completion of the institutions physical fitness assessment

Core Content

Safety in the collapse environment

Basic building construction types

The sequence of structural collapse rescue

Building shoring systems

Metal and concrete breaching, breaking and cutting

Heavy lifting and moving (including crane operations)

Basic, technical and canine search operations

Scenario based training

Candidates will be required to perform all the roles required during a rescue scene (command, tool technician, search technician, medic and gopher).

Course Details

Structural collapse is without a doubt one of the most technical and challenging fields of rescue and should not be undertaken by individuals without the necessary expertise and experience. The aim of this module is not to turn you into an independent structural collapse technician but rather to serve as a foundation for further studies into this area.

It is envisaged that in due course in consultation with experts in the field there will emerge a Structural Collapse II Module. This first module should however enable you to safely and effectively participate as a member of a structural collapse team to rescue a person from a structural collapse incident without becoming a victim.

The academic and practical standards of this course are in line with those of the Tertiary Medical Rescue Technology Courses offered as part of the National Diploma Emergency Medical Care, and as such fulfil the specified SAQA outcomes for this field. 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 over emphasised 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.

Course Outline

Section A Introduction to structural collapse rescue

Section B Hazards

Section C Specialised Equipment

Section D Incident management

Section E Assessment

4. WILDERNESS SEARCH AND RESCUE TECHNICIAN

4.1 AQUATIC RESCUE (Swift Water / Small Boat and Surface Rescue)

Preamble

The instructors that will be presenting this programme 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 swiftly flowing water.

Desired Outcome

After being assessed as competent the candidate will be able to operate as an integral part of a team that undertakes rescue operations in a swift water rescue environment.

The candidate will be able to operate at a technician 1 and rescue swimmer level.

Duration: 10 Days

Min/Max No of Delegates: 8/15

Course Prerequisites

Recommended grade 12 certificate or equivalent.

Medical certificate indicating that the candidate is in good health.

The candidate will have to successfully complete a pre-entry swimming assessment.

The candidate should be High Angle 2 Qualified (exceptions can be made for persons not from an emergency service environment).

HPSCA (If applicable)

Core Content

- The anatomy of a river and its associated hazards
- Swift water rescue equipment

- The sequential approach to swift water rescue and forming an action plan
- Rescue swimming
- Boat based rescues
- Rescues using rope rescue techniques
- Scenario based evolutions
- Candidates will be required to perform all the roles required during a rescue scene (command, rescue swimmer, rigger, medic and gopher)

Course Details

The aim of this course is to provide the learner with the skills to be able to rescue a victim from a swift water environment on his own or with a team.

This course meets and exceeds the NFPA 1670 Standards on Operations and Training for Technical Rescue Incidents, 1999 Edition, on Operations level.

The academic and practical standards of this course are in line with those of the Tertiary Medical Rescue Technology Courses offered as part of the National Diploma Emergency Medical Care, and as such fulfill the specified SAQA outcomes for this field.

Course Outline

The learning content for the High Angle I module is divided into nine sections:

- | | |
|-----------|-----------------------------------------|
| Section A | Introduction to Swift Water Rescue |
| Section B | Swift Water Terminology and Definitions |
| Section C | Swift Water Equipment |
| Section D | Basic River Movements |
| Section E | Basic Swift Water Rescues |
| Section F | Line Crossings |
| Section G | Swift Water Boat Rescues |
| Section H | Evaluations |

4.2 Wilderness Search and Rescue

Preamble

The instructors that will be presenting this programme 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 safely and effectively co-ordinate and or participate in a wilderness search and rescue operation.

Desired Outcome

- After being assessed as competent the candidate will be able to operate as an integral part of a team that undertakes rescue operations in a wilderness setting.

Duration: 10 Days

Min/Max No of Delegates: 8/15

Course Prerequisites

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

Medical certificate indicating that you are in good health

Current HPCSA Rescue Practitioner (RP) registration with module 4 (High Angle II)

Successful completion of the institutions physical fitness assessment

Core Content

- Introduce you to the concept of wilderness search & rescue
- Explain the need for and the role of allied services in a search & rescue operation
- Provide you with the insight needed to classify wilderness areas and have an appreciation for the possible dangers and or particular problems associated with operating in each type of wilderness area
- Knowledge and practical skills needed to navigate and function effectively during rescue operations in rural or wilderness areas

- Knowledge and practical skills needed to effectively organise and manage a search operation
- Provide you with an opportunity to integrate your new theoretical knowledge & practical skills as you function as a member of a team in the organising and management of a simulated search operation. On completion of this exercise you will be critically debriefed thus providing you with an opportunity to evaluate your effectiveness after the scenario.

Course Details

The aim of this module is to provide you with the necessary knowledge, skills and insight needed to safely and effectively co-ordinate and or participate in a wilderness search and rescue operation.

The academic and practical outcomes of this module are in line with those of the Tertiary Medical Rescue Technology Module offered as part of the National Diploma / B Tech Emergency Medical Care Qualifications, and as such fulfil the specified SAQA outcomes for this field. 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 over emphasised that you will be assessed both during the course 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 course.

Course Outline

Section A	Introduction to wilderness Search & Rescue
Section B	Navigation & Camp craft
Section C	Practical Navigation & Camp craft
Section D	Principles of search management
Section E	Search & Rescue Scenario
Section F	Assessment

4.3 AVIATION RESCUE

Preamble

The instructors that will be presenting this programme 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 function and work with aircraft in the rescue environment.

Desired Outcome

The aim of this course is to provide you with the knowledge, skills and insight needed to function and work with aircraft in the rescue environment.

Duration: 4 Days

Min/Max No of Delegates: 8/15

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 with High Angle 2

Successful completion of the institutions physical fitness assessment

Must be able to tread water for 10 minutes and swim 200 meter in 6 minutes or less

Core Content

Knowledge, skills and insight pertaining to the general background of aircraft used in rescue operations.

As most rescue operations involve rotor winged aircraft the section on fixed wing is merely introductory and should be considered an alternative method of transporting the already rescued victim to an appropriate medical facility. In addition, fixed wing aircraft may be of some use for reconnaissance and search operations.

Knowledge, skills and insight pertaining to the working with and around rotor-winged aircraft.

Course Details

The aim of this course is to provide you with the knowledge, skills and insight needed to function and work with aircraft in the rescue environment. The academic and practical standards of this course are in line with those of the Tertiary Medical Rescue Technology Courses offered as part of the National Diploma / B Tech Degree for Emergency Medical Care, and as such fulfil the registered SAQA outcomes for this field. 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 over emphasised 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.

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Course Outline

Section A	Introduction to aviation Rescue
Section B	Fixed Wing Aircraft
Section C	Rotor Wing Aircraft
Section D	Introduction to Aircraft
Section E	Land and Water Rescue
Section F	Trooping into and out of Rotor Wing Aircraft
Section G	Hoisting and Lowering with Aircraft
Section H	H-Frames

Section I Long Lines

Section J Short Haul and Long Haul

Section K Assessment



UNIVERSITY
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ANNEXURE 1:

**FACULTY OF HEALTH SCIENCES
DEPARTMENT OF EMERGENCY MEDICAL CARE**

SHORT LEARNING PROGRAMMES

COURSE	CREDIT BEARING	NON CREDIT BEARING	NQF	CREDITS
Aquatic Small Boat Handling	X		3	7
Aquatic Surface Rescue	X		7	4
Aviation Rescue	X		7	6
Critical Care Assistant		X	N/A	N/A
Confined Space Rescue	X		7	12
Disaster Management	X		7	6
Fire Search and Rescue	X		5	12
First Aid (Level 1-3)		X	N/A	N/A
Hazardous Materials Rescue	X		7	6
High Angle I	X		5	7
High Angle 11	X		6	12
Industrial & Agricultural Rescue	X		5	2
Motor Vehicle Rescue	X		5	12
Structural Collapse Rescue	X		7	12
Trench Rescue	X		7	12
Wilderness Search & Rescue	X		6	12

As mentioned, the above courses are accredited through the University of Johannesburg or Nelson Mandela University in South Africa. This means that each student receives a recognised qualification that ensures conformity in the application of the skills transferred.