MAGNA SKILLS DEVELOPMENT INSTITUTE

Capacity Building • Professional Training • Organisational Development

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Course Profile Document

Safety, Health and Environment (SHE)

Community Water Supply Management

Prepared as a professional course profile for delegate review, sponsorship approval and organisational training planning.

COURSE CODE	DELIVERY	DURATION	PREPARED FOR
MSD2581	**Online / Face-to-Face**	**Flexible**	**Organisation Approval**

Register for this Course **View Online Course Page**

Course Overview

The Community Water Supply Management course offered by Magna Skills is designed to provide participants with comprehensive training in managing and maintaining community water supply systems. This course covers essential principles, strategies, and best practices for ensuring safe, sustainable, and efficient water supply services to communities. Participants will learn about water resource management, infrastructure development, water quality assurance, and community engagement strategies to address the challenges of providing clean and accessible water to communities.

Course Outcomes

1. **Understanding Water Supply Systems:** Gain insights into the components, functions, and operation of community water supply systems, including sources of water, treatment processes, and distribution networks.
2. **Infrastructure Development:** Learn about planning, designing, and constructing water supply infrastructure, including wells, pumps, pipelines, storage tanks, and distribution networks, to meet community water needs.
3. **Water Quality Assurance:** Develop proficiency in water quality testing, monitoring, and treatment techniques to ensure that community water meets regulatory standards and is safe for consumption.
4.

Community Engagement and Participation: Explore strategies for engaging and empowering community members in water supply management, including stakeholder consultations, awareness campaigns, and capacity-building initiatives.

5. **Sustainable Management Practices:** Understand the principles of sustainable water management, including water conservation, efficient use of resources, and environmental stewardship, to ensure the long-term viability of community water supply systems.

Course Outline / Curriculum

Module 1: Introduction to Community Water Supply Management

- Overview of community water supply systems and their importance
- Challenges and opportunities in providing clean water to communities

Module 2: Water Resource Management

- Sources of water for community supply
- Water availability, extraction, and allocation

Module 3: Infrastructure Development

- Planning and design of water supply infrastructure
- Construction and maintenance of wells, pumps, pipelines, and storage facilities

Module 4: Water Treatment Processes

- Water quality parameters and standards
- Treatment methods for disinfection, filtration, and purification

Module 5: Distribution System Management

- Operation and maintenance of water distribution networks
- Leak detection, pressure management, and system optimization

Module 6: Water Quality Monitoring and Testing

- Sampling techniques and frequency
- Laboratory and field testing methods

Module 7: Community Engagement and Participation

- Stakeholder identification and engagement strategies
- Community-based water management committees and partnerships

Module 8: Capacity Building and Training

- Training programs for water supply operators and community members
- Building technical and managerial capacity for sustainable water management

Module 9: Financing and Funding Mechanisms

- Financial planning and budgeting for water supply projects
- Funding sources, grants, and financing options for infrastructure development

Module 10: Case Studies and Best Practices

- Analysis of successful community water supply projects
- Lessons learned and best practices for effective water supply management

The Community Water Supply Management course equips participants with the knowledge and skills needed to manage and maintain community water supply systems effectively. Through a combination of theoretical learning, practical exercises, and case studies, participants will develop the expertise required to address the complex challenges of providing clean and accessible water to communities while promoting sustainability, resilience, and community participation in water supply management.

Target Audience

- Research initiatives by staff and students,
- Sector Development and collaboration support,
- Capacity Building and Skills Development initiatives, and
- Promoting Community – based approaches in service delivery models.

Key Course Benefits

Work-Ready Skills

Delegates leave with practical tools, templates and methods they can apply immediately at work.

Better Institutional Results

The programme supports stronger planning, reporting, compliance, accountability and service delivery.

Sponsor-Friendly

This document is designed to help supervisors, HR units and sponsors approve delegate participation quickly.

Professional Recognition

Delegates receive training documentation and a certificate of completion after successful participation.

Our Training Centres & Delivery Options

Magna Skills offers flexible delivery through face-to-face training centres across Africa and beyond, plus Online / E-Learning for delegates who prefer remote participation.

Southern Africa

Practical training destinations with strong travel access and delegate support.

- Pretoria, South Africa
- Vic Falls, Zimbabwe
- Livingstone, Zambia

East Africa

Popular regional centres for government, NGO and donor-funded project teams.

- Kigali, Rwanda
- Kampala, Uganda
- Nairobi,
- Zanzibar, Tanzania

West Africa & Islands

Strategic locations for regional networking and executive capacity building.

- Accra, Ghana
- Port Louis, Mauritius

International Executive Venue

Premium destination training for senior teams and international delegates.

- Dubai, United Arab Emirates

Online / E-Learning

Attend from anywhere through live online, blended or self-paced learning options.

- Online, E-Learning
- Remote Teams
- Flex

Organisation-Based Training

Magna Skills can also arrange dedicated in-house training for ministries, NGOs and companies.

- Onsite
- Custom Dates
- Group Training

Ready to Nominate Delegates?

Use the links below to register, review the live course page or contact Magna Skills for organisation-based training support.

Register / Apply Online | **View Full Course Page**

About Magna Skills

Magna Skills Development Institute provides practical capacity building programmes for government departments, NGOs, public institutions, donor-funded projects and private sector professionals across Africa. Our training approach combines expert facilitation, real workplace case studies, practical tools, post-training support and professional documentation that helps organisations strengthen staff performance and service delivery.

Government Training | NGO Capacity Building | Corporate Workshops | Online Learning | Face-to-Face Training | Certifica

Approval & Authorisation Form

This section may be completed by the organisation, department, HR office, finance office or sponsor approving delegate participation. It can be attached to an internal memo, procurement request or training approval submission.

Organisation / Department	
Delegate Name(s)	
Approved Course	Community Water Supply Management
Preferred Delivery Mode	☐ Online ☐ Face-to-Face ☐ Organisation-Based Training
Preferred Training Venue / Date	
Estimated Number of Delegates	
Budget / Vote Number	
Contact Person	
Email / Mobile	

Authorised Name _____ Signature / Stamp _____ Date _____