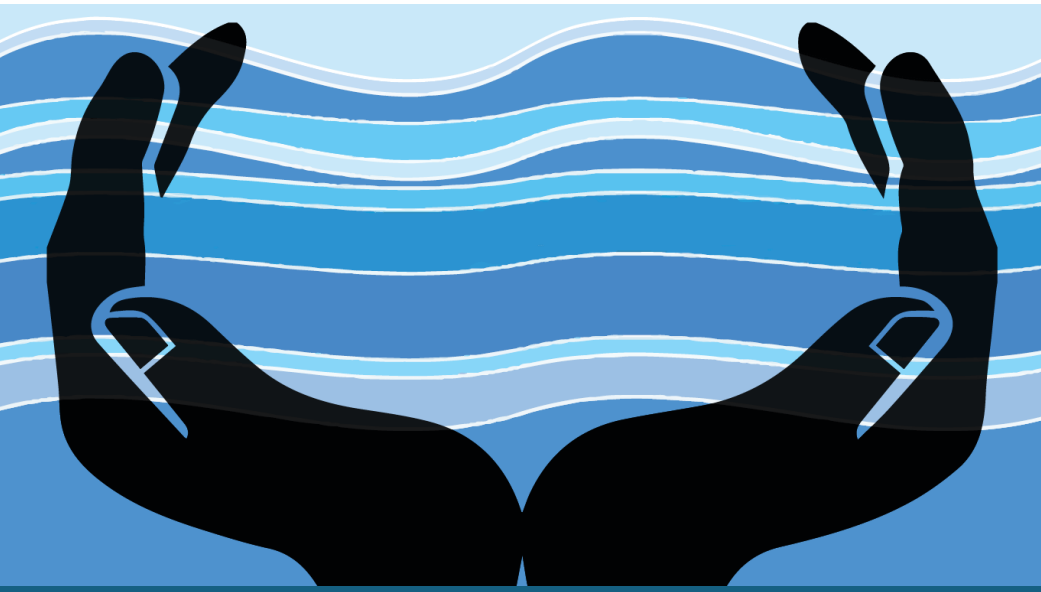
University of Bahrain
MICRO-CREDENTIAL



Strategic Approaches to Water Resource Management

GENERAL INFORMATION

Duration: 7 Weeks

Total Hours: 80 hours

Venue: To be announced

Fees: 500 BHD

Credits: 2 credits

Level: Postgraduate

Language: English

Pre-requisite: Bachelor's degree in science and/or engineering

INSTRUCTORS BIOGRAPHY

Dr. Abrar Habib

Assistant Professor, Civil Engineering, UOB. Specializes in hydrology, with a PhD from Imperial College London.

Dr. Raed E. Al-Jowder

Assistant Professor, Chemical Engineering, UOB. PhD in Chemical Engineering, specializes in water desalination, wastewater treatment, and system dynamics.

Micro-credential is a short, focused course designed to equip learners with specific skills and knowledge within a specialized area. It serves as a pathway to earning an equivalent certification for a core course, offering a flexible and targeted learning experience.

COURSE OVERVIEW

This micro-credential course covers strategic planning and integrated approaches for sustainable water resource management. It explores IWRM principles, systems thinking, and tools for balancing water availability, quality, and demand. Participants will gain skills in scenario analysis, risk assessment, and decision-making for effective water management strategies.

DELIVERY MODE

The course is delivered in a blended format:

- 21 hours in-person (3 hours/week for 7 weeks)
- 14 hours synchronous online (2 hours/week for 7 weeks)
- 21 hours asynchronous online (3 hours/week for 7 weeks)
- 24 hours guided project work

Peer engagement via forums and group interactions.

ASSESSMENTS

- Case Studies (20%)
- Practical Assignments (30%)
- Final Project (50%)

TARGET AUDIENCE

The Strategic Approaches to Water Resource Management micro-credential trains professionals in sustainable water planning, governance, and management, targeting water sector experts, industry partners, government officials, and graduate students in environmental and engineering disciplines.

KEY TOPICS COVERED

- Foundations of Integrated Water Resources Management (IWRM)
- Systems Thinking and Water Sector Modeling
- Scenario Planning and Strategic Foresight
- Risk Assessment and Mitigation in Water Management
- Water Demand, Efficiency, and Conservation
- Stakeholder Engagement and Collaborative Management
- Capstone Project: Developing a Strategic Water Management Plan

Scan the code
for Registration

For further Information, please contact:

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https://microcredentials.uob.edu.bh/