



University of Bahrain MICRO-CREDENTIAL



Climate Change: Resilience and Adaptation

GENERAL INFORMATION

Duration: 4 Weeks

Total Hours: 24 hours

Venue: University of Bahrain,
Sakhir Campus

Fees: 300 BHD

Level: Postgraduate

Language: English

Pre-requisite:

Bachelor's degree in a relevant field such as Chemistry, Biology, Environmental Science, Engineering, or Physical Sciences is recommended.

INSTRUCTOR BIOGRAPHY



Dr. Qaisar Mahmood

Dr. Qaisar Mahmood joined the University of Bahrain in 2022. With 26 years of experience, his research focuses on environmental remediation and wastewater treatment. He has published over 300 articles, received numerous awards, including the Tamgha ilmtiaz (2011), and edited a book for Springer Nature.



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

The "Climate Change: Resilience and Adaptation" course equips students with skills to address the climate crisis through adaptive strategies and resilience building. It combines scientific, technological, and policy approaches, preparing students for leadership in environmental management and sustainable development.

DELIVERY MODE

Blended Learning (Hybrid Mode)

- In-Person Lectures: Core concepts and discussions.
- Online Modules: Self-paced learning via LMS.
- Schedule:
 - Lectures/Tutorials: 3 hours/week
 - Practical & Case Studies: 2 hours/week
 - Assignments/Quizzes: 1 hour/week

ASSESSMENTS

Assignments (20%)
Case Study Presentations (20%)
Research Project/Paper (25%)
Exam (15%)
Final Exam (20%).

TARGET AUDIENCE

- Graduate and undergraduate students in environmental science, climate science, urban planning, etc.
- Professionals in environmental and urban planning fields.
- Policymakers and government officials involved in climate adaptation policies.
- NGO members and community leaders focused on climate action.
- Researchers and academics in climate change and related fields.
- Individuals seeking career shifts into climate action roles.

KEY TOPICS COVERED

- Overview of Climate Change
- Vulnerability and Risk Assessment
- Building Resilience to Climate Change
- Adaptation Strategies (Nature-Based and Technological)
- Policy and Governance for Climate Adaptation
- Sectoral Adaptation Approaches



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For further Information, please contact:

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