



University of Bahrain MICRO-CREDENTIAL



Training Course in Radiation Protection

GENERAL INFORMATION

Duration: 4 Weeks

Total Hours: 36 hours

Venue: University of Bahrain

Fees: 400 BHD

Level: Postgraduate

Language: English

Pre-requisite:

- Educational Background: Bachelor's or equivalent in physics, chemistry, biology, or engineering, or diploma holders with relevant radiation experience.
- Basic Knowledge: Understanding of atomic/molecular structures and basic physics/mathematics.
- Professional Experience: Preferred experience in healthcare, industry, environmental science, or safety management.

INSTRUCTOR BIOGRAPHY



Dr. Nabil Mohamed Hassan

Associate Professor of Radiation Physics at UOB. Holds a B.Sc. and M.Sc. in Physics from University of Zagazig, Egypt, and a Ph.D. from University of Tokyo, Japan. His post-doctoral work includes positions at University of Kobe and the Korea Institute of Nuclear Safety, specializing in polymer enhancement and radiation safety.



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 radiation protection training course, offered by the Department of Physics at the University of Bahrain in collaboration with the Supreme Council for Environment, provides comprehensive knowledge on radiation safety for workers in industry and healthcare. It prepares trainees to obtain a radiation protection license from the Supreme Council for Environment, Bahrain.

DELIVERY MODE

36 learning hours in 4 weeks (face to face 6 hours/week, Synchronous Online 3 hours/week):

- Lectures: 18 hours
- Practical Sessions: 12 hours
- Assessments and Discussions: 6 hours

ASSESSMENTS

- Weekly quizzes (20%).
- Practical demonstration (20%).
- Final project on radiation safety or application (60%).

TARGET AUDIENCE

- **Healthcare Professionals:** Radiologists, radiation therapists, medical physicists.
- **Industrial Workers:** Professionals in nuclear, manufacturing, or energy sectors.
- **Regulatory Officers:** Those enforcing radiation protection standards.
- **Academics & Researchers:** Educators and scientists in radiation fields.
- **Students & Trainees:** Aspiring professionals in nuclear science or environmental safety.

KEY TOPICS COVERED

- Radiation Safety
- Nuclear Science and Technology
- Environmental Protection
- Occupational Health and Safety
- Industrial Applications of Radiation
- Radiological Protection
- Dosimetry
- Radiation Measurement and Monitoring
- International Radiation Standards
- Workforce Upskilling in Radiation Sciences



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For further Information, please contact:

Mr. Mohammed Al-Hooti

Tel: +973-33777339

Email: malhooti@uob.edu.bh

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