

THE DEPARTMENT OF MEDICAL IMAGING AND THERAPEUTIC RADIOLOGY

at the Faculty of Public Health - UNIVERSITÉ LA SAGESSE

in collaboration with LEBANESE ATOMIC ENERGY COMMISSION

at the NATIONAL COUNCIL FOR SCIENTIFIC RESEARCH

Offers a continuing education diploma entitled

Radiation Protection Officer Program

Postgraduate Educational Course in Radiation Protection and the Safety of Radiation Sources (PGEC)



BACKGROUND

Specific training in radiation protection is widely recognized as one of the basic components of optimization of practices involving the use of ionizing radiations and radioactive sources. Beside that, regulatory framework in each country aligned with the international standards requirements imposes the assurance of staff competence in radiation protection.



OBJECTIVES

- Provide foundation training in radiation protection and the safety of radiation sources
- Equip operator to be a competent radioprotection officer
- Provide both theoretical knowledge and practical training in the multidisciplinary scientific and technical bases of international recommendations and standards on radiation protection and their implementation
- Acquire an updated continuing education in radiation protection



WHO SHOULD PARTICIPATE

- Regulators
- Health and medical physicists
- Nuclear medicine and medical imaging professionals
- Radiologic technologists and radiologists
- Radiation safety officers
- Environmental health and safety and industrial hygiene professionals
- Operators at laboratories utilizing radioactive materials



SPEAKERS

- Physicists
- Engineers
- Physicians
- Radiologists
- Oncologists



All Speakers are experts in radiation protection



REQUIRED COMPETENCY LEVEL

Diploma (3 years in basic sciences as Biologists, Chemists, Pharmacists, Radiologists)



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Radiation Protection Officer Program

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COVERED TOPICS

- Review of fundamentals
- Quantities and measurements
- Biological effects of IR
- Principles of radiation protection and the international framework
- Regulatory control
- Assessment of external and internal exposures
- Protection against occupational exposure
- Medical exposures in diagnostic radiology, radiotherapy and nuclear medicine
- Exposure of the public due to practices



METHODOLOGY

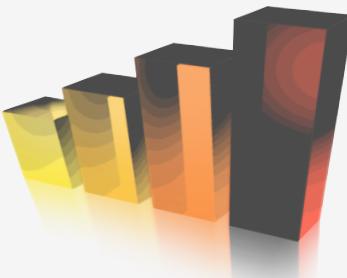
Modern technology is now used to facilitate a blended learning approach to delivering the PGEC, combining distance-learning methods (typically e-learning) with traditional, in-person teaching. The use of on-line platforms also enables monitoring the progress of students throughout the course as well as facilitating their long-term follow-up.

The standard syllabus provides a harmonized basis for running the PGEC in terms of the theoretical contents of lectures and applied practical exercises.



DURATION

- 250h hours of lectures (7 months)
- Thesis project



FEES

- Launching price at the regular university fees.

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