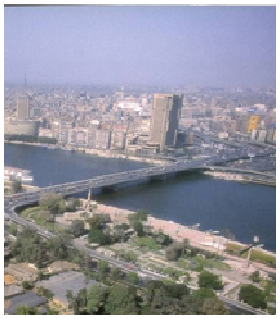
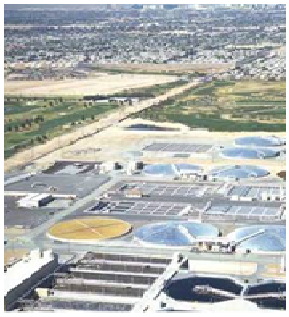
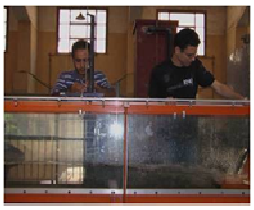
Water Engineering & Environment

Credit Hour Program at Cairo University

Water is life and is one of the most precious natural resources on earth. Population growth and aspiration for improved standards of living impose higher pressure on available water resources and environmental systems. This is particularly true for Egypt, most of the Arab countries, and many nations all over the globe where water demands exceed the supplies.

In 2009 a new B.Sc. Degree in Civil Engineering with emphasis on Water Engineering and Environment (WEE for short) was established at Cairo University. The program prepares graduates with specialized training in hydrology, water resources, hydraulics, irrigation/drainage, Water & Wastewater (collection, treatment & disposal), and coastal engineering among other subjects. Graduates of the program are well prepared to address critical environmental issues involving interconnection among earth, water, climate as well as the interaction between these applied sciences and the human activities.


Key Features

- the program adopts the two semester credit hour system.
- The study is fully in English. Extensive use of textbooks of international quality and IT facilities are encouraged in all courses.
- The education services are provided to small number of students. The numbers do not exceed 60 in a lecture, 30 in a tutorial and 15 for a laboratory.
- Egyptian students with cumulative GPA of 3.0 or higher are exempted from tuition and fees through scholarships provided by the Ministry of Water Resources & Irrigation and the Holding Company for Water & Wastewater.
- Compulsory courses in the water and environment areas include: Principles of Irrigation & Drainage, Fluid Mechanics, Water Chemistry & Microbiology, Open Channel Hydraulics, Computational Water & Wastewater networks, Introduction to Water Resources Engineering, Irrigation Design, River Engineering, Applied Hydrology, International Law of Water & Environment, Coastal & Harbor Engineering, Environmental Hydraulics, Field Measurements, EIA for Water Projects, On-Farm Irrigation Systems, and Integrated Water Resources Management.
- The program is supervised by the Department of Irrigation and Hydraulics with some 60 faculty members and 20 teaching assistants. Around 2/3 of the faculty members have obtained their PhD degrees from North American universities.

For more information visit
http://www.eng.cu.edu.eg/credithours

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