

The Dams and Water Resources Engineering Department (DWRED) is considered one of the oldest scientific department belongs to the College of Engineering-University of Mosul . It has been established in 1967.

The department is awarding a bachelor of science in engineering through a thoroughly organized curriculum suitably distributed over four years of study. The program is guaranteed a qualified and skill dams and water resources engineers who supposed to work in both general and private sectors. The department's teaching staff are around 50, where 15 of them are holding PhD. while the rest are with MSc degrees. In the year 1976-1977 a higher diploma as prerequisite to Master degree was opened till the year 1981-1982. Then an independent MSc. studies have been initiated. In 1992-1993 the department had announced the acceptance for PhD. studies. In 2010-2011 the higher Diploma studies was reopened in order to develop the skills of the engineers working in the general and private sector as well. The study was oriented to those graduated engineers who were not been able to get ranks

make them qualified for higher degree studies. Consequently, a special curriculum was designed consisting of up to date water resources engineering subjects. additionally, the higher diploma students should work under supervision of one of senior faculty member to complete a distinguished project in the field of water resources engineering.

There are three areas of studies in the department for those seeking MSc. or PhD. degrees. These are Hydraulics, Hydrology and Irrigation with minimum two years program for MSc. and minimum three years program for PhD. studies.

The department is adopting mixed system of study mainly yearly courses and limited seasonal courses. The study subjects are basically theoretical enhanced with practical and applications conducting in the department's laboratories (Hydraulic Lab, Soil Physics Lab and three Computer Labs). The students of the department can also make use of the laboratories of civil engineering department such as soil mechanics and material tests. The teaching staff of the department are seeking to update

the knowledge and development in their areas of interest through reviewing new references and other modern publications in the field of water resources engineering. They are also used to participate in scientific conferences and workshops conducted inside and outside Iraq.

DWRED is trying to generalize the principals of wise consumption of water in the field of irrigation, hydropower generation and all other water sectors using modern techniques. The department is using official channels to contact Arabic and foreign universities and water specialized international organizations to conduct scientific agreements and encourage the faculty as well as postgraduate students to participate in the training programs organized by those institutions. The faculty is also used to participate in consulting and researching groups formed by the Consultant Engineering Bureau in the University of Mosul.

DWRED faculties has a distinguished role in building good and bond relations with other colleges and research centers in the University of Mosul, especially those having the

same area of interest. These relations have been reflected through conducting joint supervision and research groups. DWRED staff is used to be members in government committees which offer their services to the society such as Engineers Society and activate the continuous education program by organizing workshops targeted the engineers working in the public sector in order to update their knowledge in the field of water resources planning and management and how to operate the related infrastructures in an optimized and sustainable manner.

