



# NEWSLETTER

Water Resources Engineering Department-College of Engineering-Salahaddin University



## Department Council Meeting

On Sunday, November 24, 2024, the Council of the Department of Water Resources Engineering held its third regular meeting to discuss the opening of higher education for the academic year 2025-2026, in accordance with the guidelines of the Ministry of Higher Education.

The pursuit of higher studies in the department is crucial for advancing research and fostering innovation in the field of water resources engineering.

## First Year Seminars



November 16, 24, and 26, 2024, the Department of Water Resources Engineering welcomed new students and held a series of seminars for first-year students.

These seminars were presented individually by our lecturers: Assistant Professor Dr. Jehan Mohammed, Mrs. Shawnm Saleh, Mr. Shuwan Barzanjy, Mr. Pola Abdalrahman, and Mr. Bakhtiyar Ahmed.

The seminars included a brief summary of the department, the modules, and the Bologna system.

## PhD Thesis Discussion

On November 13, 2024, Assistant Prof. Dr. Abdulla Botani, a staff member of the Water Resources Department at the College of Engineering, Salahaddin University, contributed as a discussion panel member for PhD student (Bshkoj S. Huessien) at the College of Engineering, University of Duhok.

The thesis, titled Hydraulic Performance and Simulation of Modified Labyrinth Side Weir, explored innovative aspects of hydraulic engineering.



# Fall Semester Final Exams

The first fall semester of the academic year 2024-2025 at the Department of Water Resources Engineering, College of Engineering, has been completed. The department prepared and initiated the final year exam for the fall semester on Tuesday, 12/12/2024, based on the Bologna System. The fall semester exams will continue until December 24, 2024.



## Fourth-Year Students' Assignment

On November 24, 2024, the fourth-year students successfully presented their assignments in the earth retaining structure module. The primary objective of this assignment was to apply the knowledge acquired in the Earth Retaining Structures module for this semester to the industry, where students were asked to select, re-analyze, and redesign an existing or under-construction retaining wall in Erbil.

Through this assignment, students developed the ability to analyze retaining structures using the Rankine and Coulomb methods, considering various factors such as backfill inclination, wall friction, wall inclination, and the effect of the water table. The assignment also included the analysis and design of both gravity and cantilever retaining walls, as well as the drainage system and filter design. In addition, the assignment covered the analysis and design of retaining structures subjected to earthquakes and assessed their feasibility.



## Our Newsletter



This newsletter is an activity-based newsletter produced by the Department of Water Resources Engineering at the College of Engineering, Salahaddin University-Erbil-Kurdistan.

Purpose of the newsletter: To highlight the activities of department members, such as their participation in local and international conferences, discussions of MSc and PhD theses, presentation of research at conferences, publication of scientific papers, involvement in consultancies, scientific visits, and the enrollment and welcoming of new students, among other activities.