

NATIONAL UNIVERSITY OF CIVIL ENGINEERING (NUCE)**List of Subjects for Exchange Students - Undergraduate Level
Major: Environmental Engineering Technology**

No.	Name of subjects	Code	NUCE Credit	Teaching Languages	Description
1	Urban and Industrial sewer network	081033	3	English	This course instructs students to design a drainage and sewerage networks from determination of wastewater discharge criteria, plant capacity, proper sewers' diameters and proper pipe depths.
2	Urban and Industrial Water Supply	081021	3	English	This course instructs students to design a water supply networks from determination of water demand, economic diameters, proper pressures in pipelines, water pumping stations and other related devices in the network
3	Protection of Water resource	081029	2	English	This course provides basic knowledge in water resource distribution, water pollution process, methods of water pollution evaluation, determination of pollutants, self-clean capability of water bodies, pollution estimation, integrated water protection.
4	Hydraulics Machines	082013	2	English	This course provides structures, specification and operating principles of Centrifugal pumps, piston pumps, compressors and blowers, agitators.
5	Water intake and Pumping station	081014	2	English	Introduce principles for students to design the water intake, water and wastewater pumping stations, help students understand the structures and operating principles of these waterworks.
6	Microorganism	081056	2	English	Introduction of different types of microorganisms and the biological processes in water and wastewater treatment.
7	Water Supply & drainage systems for buildings	081011	3	English	Students study systems of water supply and water drains in a building. Analysis and design pipelines, tanks and valves.
8	Waste-water Treatment	081035	4	English	Quantity and characteristics of wastewater, level of treatment, treatment processes, wastewater treatment technologies, sludge treatment techniques, economic-technical norms, O&M, and related lab assignments.