

No.	Course No.	Course Title	Weekly hours		Credits	Pre-requisite	Learning Type
			Theoretical	Practical			
18	0704362	Hydraulics	3	0	3	0704361	face-to-face
			<p>In this course, the student studies fluid flow through pipes and methods for calculating losses in sub and main energy. Variable flow in open channels, different shapes of variable flow surfaces, wall layer theory, characteristics of laminar and turbulent flow, transmission of energy through pipes, water distribution systems and methods of designing main water networks (with the use of different computer programs in the design). Irregular fluid flow and water hammer analysis as a model for this type of flow, study of pumps and different pumping systems, study of water movement in open channels and their design.</p>				