

No.	Course No.	Course Title	Weekly hours		Credits	Pre-requisite	Learning Type
			Theoretical	Practical			
17	0704361	Fluid Mechanics	3	0	3	0401203 0704241	face-to-face
			<p>Study of the physical and engineering properties of fluids, hydrostatic pressure and methods of measuring it using a manometer, Euler and Bernoulli equations, energy, linear momentum and angular momentum and their applications, calculating hydrostatic force on different surfaces, buoyancy. Equilibrium of floating and submerged bodies, study of fluid in motion, communication equation, conservation equation Momentum and its applications to fluids, the energy conservation equation and its applications to fluids, dimensional analysis and simulation. Turbulent flow in compressed tubes and open channels, stable flow of incompressible fluids in open tubes and channels.</p>				