Program and Degree: **BSc in Aerospace Engineering**	
Course Description	
Course Title	**Fluid mechanics laboratory**
Prerequisites	Fluid mechanics
The course aims	- Ability to perform and design standard fluid test properties - Understanding the behavior of the fluids under the influence of forces - Ability to calibrate measurement device, analysis experimental data.
Contents	- Introduction to flow measurement device and its usages - Pressure drop test in pipes, sudden expansion, Elbow, valves. - Drive Performance curve of centrifugal pump and axial fans. - Hydrostatic force on surface - Verification Bernoulli equation - Hydrostatic Force of a free jet - See laminar and turbulent flow - Rotating and non-rotating flow - Pitot-static tube test
Duration	**1 Semester (16 weeks)**
Course Hours	**3 hours/week**
Course Type	**Required**