

Faculty of Engineering & Technology

Fluid Mechanics

Information :

Course Code : MPR 252

Level : Undergraduate

Course Hours : 4.00- Hours

Department : Department of Structural Engineering & Construction Management

Instructor Information :

Title	Name	Office hours
Lecturer	Zakaria Mostafa Abdo Salim Marouf	2
Teaching Assistant	Christopher Nashaat Najib Benjamin	

Description :

Introduction and fundamental concepts of fluids, Statics of fluids, Characterization of fluid flow, Integral equations, Basic equations: conservation of mass, momentum and energy, Bernoulli's equation, Application on momentum and Bernoulli's equations, Viscous flow in ducts and pipes, Basics of dimensional analysis and dynamic similarity.