

**Faculty of Engineering & Technology**

**Fluid Mechanics**

**Information :**

**Course Code :** MPR 252

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Department of Petroleum Engineering

**Instructor Information :**

Title	Name	Office hours
Lecturer	Walid Aboelsoud Abdelhaady Aboelsoud	2
Lecturer	Ahmed Mohamed Farag Abdelbary	4
Assistant Lecturer	Zakaria Mostafa Abdo Salim Marouf	3
Teaching Assistant	Ahmed Ibrahim Sadek Mostafa Elgindy	
Teaching Assistant	Amgad Abdelkader Ahmed Hamed	

**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.