

Faculty of Engineering & Technology

Hydraulics

Information :

Course Code : So	CM341	Level :	Undergraduate	Course Hours :	3.00- Hours
Department : Structural Engineering & Construction Management					
Instructor Information :					
Title		Name			Office hours
Professor		Yasser Moha	med Sadek Abdel Aziz	El Saie	1

Ahmed Taher Abdelhamed Mohamed Yousef

Description:

Teaching Assistant

Open channel flow: types of flow, conservation laws of mass and energy, specific energy concept, flow resistance in channels, sketching and calculations of water surface profile for gradually varied flow, design of cross sections in open channels, momentum equation and specific force concept, design of stilling basins downstream of gates and pipe outlets, physical models, Introduction to river engineering and sediment transport, Pumps: types and characteristics of pumps, pumps and pipeline systems, Hydraulics of groundwater: types of aquifers, groundwater flow.