

Faculty of Engineering & Technology**Secondary Recovery of Petroleum****Information :****Course Code :** PE 503**Level :** Undergraduate**Course Hours :** 3.00- Hours**Department :** Department of Petroleum Engineering**Instructor Information :**

Title	Name	Office hours
Professor	Adel Mohamed Salem Ragab	10
Assistant Lecturer	YOUSSEF ELSAYED ABDELHAFEZ KANDIEL	

Description :

Oil recovery by water injection. Effects of wettability, capillary pressure, relative permeability, mobility ratio on displacement, sweep, and recovery efficiencies. Piston-like and Buckley-Leverett models. Fractional flow and frontal advance equation. Oil recovery prediction methods for linear and pattern water floods in single and multi-layered reservoirs.