PET 515: Oil and Gas Transportation (3 Units)

Department of Petroleum Engineering

Covenant University
1. PET515
1.1. PET 515: Oil and Gas Transportation (3 Units)

Introduction to petroleum transportation  Pipeline in different environment (swamp, arctic, desert, etc)  Review of fluid behaviour, Fluid dynamics and Basic flow equations, Multiphase flow)  Pipeline design (series, parallel, and branched; Pipe grade and wall thickness; Pump and compressor stations location  Tank farms  Vessels (oil tankers, LPG carriers, and LNG carriers).