**Reservoir Laboratory** Location: 1st floor, PVU Program: PE

Purpose: PET13414-Reservoir Engineering (+Labs)

| Program | Formal name   | Max Capacity | Assignable Area (m2) |
|---------|---------------|--------------|----------------------|
|         | Reservoir lab | 20           | 63                   |



Entrance



View from front door



View from corner



View from corner



Front of Coreflooding system



Sideview of Coreflooding system



Front of control computer



Sideview of Coreflooding system

**Device: Core Flooding System 700 bar CFS 700**Function: Perform core flooding processes including water, chemical, Carbon dioxide





# Frontview of system

# Sideview of system

## **Device: Soxhlet extraction**

Function: Cleaning core samples from light HC

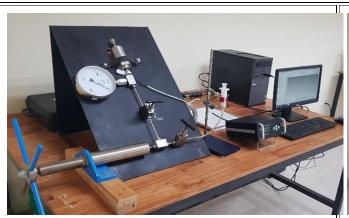


Sideview of system

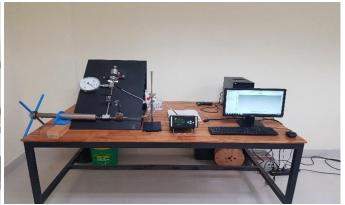


Topview of system

**Device: Dean Stark apparatus**Function: Determine water saturation



Sideview of system



Frontview of sytem

Device: Cambridge Viscosity-ViscoPro 2000 – PAC LP

Function: Measure and record fluid viscosity