

	Formal name	Course	Layouts	Max student capacity	Assignable Area (Sq. m.)
Petroleum Engineering	Drilling Fluid and Cementing Laboratory	PET13226-Drilling Fluid (+Labs)	Lab	24	110

Location: 2nd floor, PVU

Link: <http://www.pvu.edu.vn/en/departments/petroleum-faculty/petroleum-engineering/labs/pe-labs/2-drilling-fluid-and-cementing-laboratory>



Entrance



Lab layout



Device: pH Meters – Digital
Function: Measure pH of drilling fluid



Device: Model 653B Resistivity Meter
Function: Measure the resistivity of fluids



Device: Resistivity Meter Model 88C
Function: Measure drilling fluid resistivity



Device: Retort 10ml Oil and Water Kit Model 871
Function: determine the quantity of liquids and solids in a drilling fluid



Device: Fann 35SA viscometer
Function: Measure drilling fluid viscosity



Device: Low Temperature (LPLT) Filter Presses
Function: Determining the filtration properties of drilling muds and cement slurries



Device: HPHT Filter Presses
Function: Evaluating the filtration properties of drilling mud at high temperatures



Device: Balance Density TruWate Model 141
Function: Measuring the absolute density of a fluid sample



Device: Velocity distribution of flowing fluid in pipe
Function: Study fluid flow velocity profiles in pipe



Device: Scale Balance digital
Function: Measure weight with high accuracy for experiments



Device: Constant Speed Mixer Model 686CS
Function: Mix cements to comply with American Petroleum Institute (API) Spec 10A



Device: Multi-Mixer® Model 9B
Function: Mixing of drilling fluids in preparation for laboratory tests of mud materials



Device: Circulating bath 60 Celcius
Function: Maintain constant temperature of samples



Device: Circulating bath 36 Celcius
Function: Maintain constant temperature of samples



Device: Cement mold
Function: Create the shape the finished concrete



Device: Model 140 Mud Balance
Function: Determination of fluid density



Device: HPHT Consistometer Model 290
Function: Measure cement slurry viscosity or consistency under elevated



Device: Compressive Strength Tester
Function: measuring the maximum amount of compressive load a material can bear before fracturing