

Tentative Timetable of the ULG Modules and Courses 2025/2026

Module	Course title	Date
1	1. Introduction to Pipeline Engineering & Design Fundamentals	October 6-10
2	2.1 Pipeline Materials and Corrosion Protection	October 13-17
	2.2 Pipeline Structural Design	October 20-24
3	3.1 Pipeline Routing and Alignment Design	October 27-30
	3.2 Civil Design and Infrastructure for Pipelines	November 3-6
4	4.1 Pipeline Thermodynamics, Energy Efficiency, and System Optimization	November 10-14
	4.2 Pipeline System Modeling (Hydraulic, Thermal, Dynamic)	November 17-21
	4.3 Optimal Pipeline System Design: Safety, Risk, Economics, and Sustainability	November 24-27
	4.4 Pipeline Project Management Analysis	December 1-5
5	5.1 Pipeline Pumping & Compressor Stations Design	December 9-12
	5.2 Pipeline Station and Terminal Design: Tanks, Loading Facilities, Pressure Management, and Metering	December 15-19
	5.3 Stations for Underground Storage: Design and Equipment	January 12-15
6	6.1 Fundamentals of Pipeline Instrumentation	January 19-23
	6.2 Automation and Control Systems	January 26-29
7	7.1 Crude Oil and Natural Gas Product Pipeline Systems	February 2-6
	7.2 CO ₂ and H ₂ Transportation & Storage	February 9-13
	7.3 Specialized Pipeline Systems: Water, Geothermal fluid, Waste Water, Slurry, etc.	February 16-20
	7.4 Offshore Pipeline Design and Engineering	February 23-26
8	8.1 Onshore Pipeline Construction and Facility Engineering	March 2-5
	8.2 Offshore Pipeline Engineering: Construction, Safety, and Testing	March 9-13
9	9.1 Pipeline Operation and Integrity Management	March 16-19
	9.2 Pipeline Maintenance and Repair Techniques	March 23-26