

Gas Process Operations Course Outline

PN 1415 Gas Process Operations (2nd semester)

Field Processes

SAIT Module Number	Module Description
27-31-95-02	Glossary of Terms
27-31-95-04	Occurrence of Petroleum Deposits
27-31-95-06	Exploration for Petroleum Deposits
26-31-12-01	Land Survey Systems
27-31-95-08	Drilling Methods and Equipment
 <u>QUIZ: 3rd week In January</u>	
<u>PRACTICUM: 240 hour Plant Placement (6 weeks)</u>	
27-31-95-10	Testing, Completion and Production Methods
27-31-14-02	Oil and Gas Composition and Sales Specs.
27-31-12-02	Flow Diagrams
27-31-12-04	Flow Diagrams - Instrumentation
27-31-12-08	Flow Diagrams – Process Flow/Material Balance
27-31-12-08	Flow Diagrams – Mechanical Flow
 <u>QUIZ: 3rd week in March</u>	
<u>MIDTERM: 4th week in March</u>	
27-31-93-02	Field Operations – Design/normal operations
27-31-93-04	Field Operations – Production Problems
27-31-93-06	Field Operations – Gas Line Heating
27-31-93-10	Field Operations – Separation Procedures
27-31-93-12	Field Operations – Conventional Separators
27-31-93-14	Field Operations – Stage & Low Temp
27-31-93-16	Field Operations – Selection of Separators
27-51-94-14	Handling of Hydrocarbon Fluids
27-52-15-05	Protection of Pressure vessels from fire
27-51-66-04	Introduction to Static Electricity
27-31-39-02	Sampling of Hydrocarbons
27-31-39-04	Hydrocarbon Gas Sampling methods
27-31-39-06	Hydrocarbon Liquid Sampling methods
27-31-39-10	Sampling for Vapor Pressure of LPG
Supplemental	Bleve
Supplemental	Basic Wireline Operations (pending)
Supplemental	Artificial Lift Systems
Supplemental	Ground Disturbance
Supplemental	Circular Chart Interpretation
Supplemental	Mechanical Drawing Interpretation
Supplemental	Production Optimization
 <u>QUIZ: 3rd week in April</u>	
<u>FINAL EXAM: 3rd week in April</u>	

Please Note: Quizzes, Midterm, and Final Exam dates are tentative. Related course material will supplement the SAIT modules. This material will be provided and students will be evaluated on the content.