UT Austin Petroleum Extension (PETEX) e-learning resources

Online Modules – Topic-based self-directed learning objects focused on specific upstream, midstream, and downstream sectors.

- GENERAL E-LEARNING MODULES
  - Introduction to Petroleum
  - Offshore Oil and Gas Leasing
  - Onshore Oil and Gas Leasing
  - People and Companies
  - Petroleum Economics
  - Well Planning

- EXPLORATION E-LEARNING MODULES
  - Formation Evaluation
  - Petroleum Exploration
  - Petroleum Geology

- DRILLING E-LEARNING MODULES
  - Controlled Directional Drilling
  - Interactive Offshore Rig
  - Interactive Onshore Rig
  - Open-Hole Fishing
  - Overview of Drilling Systems
  - Rotary Drilling Rig Types
  - Routine Drilling Operations
  - The Circulating System
  - The Hoisting System
  - The Power System
  - The Rotating System
  - Types of Wells

- WELL CONTROL E-LEARNING MODULES
  - Blowout Prevention System
  - Well Control

- PRODUCTION E-LEARNING MODULES
  - Artificial Lift
  - Improved Recovery Techniques
  - Reservoir Drive Mechanisms
  - Surface Handling of Well Fluids

- WELL COMPLETION AND WORKOVER E-LEARNING MODULES
  - Well Completion
  - Well Service And Workover
  - Well Stimulation

- REFINING AND TRANSPORTATION E-LEARNING MODULES
  - Refining and Processing Petroleum
  - Transporting Petroleum, Petroleum Derivatives, and Natural Gas

E-Learning Courses - E-Courses are collections of modules related by topic that give a broader understanding of an area of the industry.

- Elementary Drilling E-Course
• **Introduction to Petroleum and Overview of Drilling Systems E-Course**
• **Petroleum Fundamentals E-Course**
• **Oilwell Drilling Primer E-Course**
• **Production Basics E-Course**

**E-Books** – PETEX's industry standard reference and education/training publications. Links to each title can be located on the PETEX website - [https://petex.utexas.edu/publications/books/all-books](https://petex.utexas.edu/publications/books/all-books)

- A Dictionary for the Oil and Gas Industry, Second Edition
- Acoustic Fluid Level Measurement in Oil and Gas Wells, First Edition
- Advanced Stability, First Edition
- Applied Mathematics: For the Petroleum and Other Industries, 5th Edition
- Arithmetic for Rig Personnel, 2nd Edition
- Artificial Lift Methods, Second Edition
- Artificial Lift, Second Edition
- The Auxiliaries, Third Edition
- Basic Electricity for the Petroleum Industry, Second Edition
- Basic Electronics for the Petroleum Industry, Fourth Edition
- Basic Instrumentation, Fourth Edition
- The Beam Lift Handbook, 1st Edition, Revised
- Beam Pumping, First Edition
- The Bit, 5th Edition
- The Blocks and Drilling Line, 3rd Edition
- Blowout Prevention, Fourth Edition
- Buoyancy, Stability, Second Edition
- Casing and Cementing, Third Edition
- Changing the Way America Thinks About Energy, First Edition
- Comprehensive Stability, First Edition
- Conceptos Básicos de Perforación, First Edition
- Control of Formation Pressure, First Edition
- Controlled Directional Drilling, Fourth Edition
- Diesel Engines and Electric Power, Third Edition
- Diving and Equipment, Third Edition
- The Drawworks and the Compound, 1st Edition
- Drill String and Drill Collars, First Edition
- Drilling a Straight Hole, Fourth Edition
- Drilling Fluids, First Edition
- Drilling Fluids, Mud Pumps, and Conditioning Equipment, First Edition
- Field Handling of Natural Gas Vol 1-Production and Conditioning
- Field Handling of Natural Gas, Fourth Edition
- Fundamentals of Petroleum, Fifth Edition
- Gas and Liquid Measurement, First Edition
- Helicopter Safety, First Edition
- Improved Recovery, First Edition
- Introduction to Rotary Drilling, Second Edition
- Introduction to Well Control, Second Edition
- Jacking Systems and Rig Moving Procedures, First Edition
- Land and Leasing, Second Edition
- Life Offshore, Second Edition
- LNG: Basics of Liquified Natural Gas, First Edition
- Making Hole, Third Edition
- Man Management and Rig Management, First Edition
- Marine Riser Systems and Subsea Blowout Preventers, First Edition
- Offshore Well Construction, First Edition
- Oil and Gas: The Production Story, Second Edition
- Open-Hole Fishing, Fourth Edition
- Orientation for Offshore Crane Operations, Second Edition
- Petroleum Geology and Reservoirs, Third Edition
- Plant Processing of Natural Gas, Second Edition
- Practical Petroleum Geology, Second Edition
- Practical Underbalanced Drilling and Workover, First Edition
- Practical Well Control, Fourth Edition
- A Primer of Offshore Operations, Third Edition
- Primer of Oil and Gas Measurement, First Edition
- A Primer of Oilwell Drilling, Seventh Edition
- A Primer of Oilwell Service, Workover, and Completion, First Edition
- Principles of Drilling Fluid Control, Twelfth Edition
- Quick Reference For Oil & Gas Measurement, First Edition
- Reciprocating Gas Compressors, First Edition
- Rotary, Kelly, Swivel, Tongs, and Top Drive, 1st Edition
- The Rotary Rig and Its Components, 5th Edition
- The Roughneck Training Handbook, 1st Edition
- Routine Drilling Operations, 2nd Edition
- Safety on the Rig, 4th Edition
- Special Drilling Operations, 2nd Edition
- Spread Mooring Systems, 2nd Edition
- Testing and Completing, 3rd Edition
- Treating Oilfield Emulsions, 4th Edition
- Vessel Inspection and Maintenance, 1st Edition
- Well Control for Completion and Workover, 1st Edition
- Well Logging Methods, 2nd Edition
- Well Stimulation Treatments, 2nd Edition
- Wind, Waves, and Weather, Third Edition

**E-Book + Assessment Certificate Program**

- [A Primer of Oilwell Drilling Certificate Program](#)
- [Drilling Technology Certificate Program](#)
- [Field Handling of Natural Gas, Volume 1—Production and Conditioning Certificate Program](#)
- [Fundamentals of Petroleum Certificate Program](#)
- [Fundamentals of Petroleum Certificate Program Part 2: Drilling](#)
- Fundamentals of Petroleum Certificate Program Part 4: Transportation and Refining
- Introduction to Rotary Drilling Certificate Program
- Land and Leasing Certificate Program
- Plant Processing of Natural Gas Certificate Program
- Practical Petroleum Geology Certificate Program
- Routine Drilling Operations Certificate Program
- Special Drilling Operations Certificate Program

**Video + Assessment Certificate Program**

- Introduction to Well Control Certificate Program
- Makin’ Hole: How Oilwells are Drilled Certificate Program
- So You Want to Be a Roughneck? Certificate Program