PetroSkills®

2021 VIRTUAL TRAINING GUIDE

PetroSkills®

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PetroSkills®

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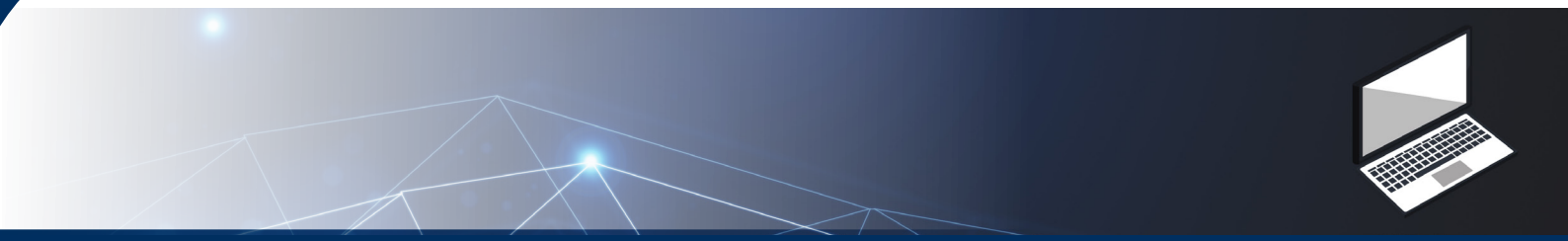


FACILITIES COURSES

PETROLEUM BUSINESS

PROJECT MANAGEMENT

3D Seismic Attributes for Reservoir Characterization – SARC

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
2 - 13 August, 2021

ENROLL

DISCIPLINE: Geophysics

LEVEL: Specialized

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

The primary objective of this course is to gain an intuitive understanding of the kinds of seismic features that can be identified by 3D seismic attributes, the sensitivity of seismic attributes to seismic acquisition and processing, and how independent seismic attributes are coupled through geology. We will also discuss alternative workflows using seismic attributes for reservoir characterization as implemented by modern commercial software and practiced by interpretation service companies. Participant discussion centered around case studies, attribute recipes for particular objectives, reservoir workflows and seismic attribute jeopardy exercises will be the main focus of the course.

DESIGNED FOR:
Seismic interpreters, processors, stratigraphers and structural geologists, reservoir engineers, and students of geophysics.

TUITION: $4,190 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

AVO, Inversion, and Attributes: Principles and Applications – AVO

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
21 June - 2 July, 2021

ENROLL

DISCIPLINE: Geophysics

LEVEL: Intermediate

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

The subject of direct hydrocarbon indicators and AVO has rapidly expanded to include AVO inversion, offset AVO inversion, and 4D AVO inversion. A significant part of the course deals with rock physics as it relates to the other topics in the course. Further insight into the seismic data is supplied by looking at seismic attributes. The technology has provided the interpreter with a very new and exciting package of tools that allow us to look at the seismic image as being truly representative of both the rock properties and the pore filling material. This course is intended to provide the users with a clear and useable understanding of the current state of these technologies. The focus of the course is on both understanding and application.

DESIGNED FOR:
Geophysicists, geologists, explorationists, seismic interpreters, technical support personnel, seismic data processors, exploration, production, and acquisition managers who need a clear understanding of the details of implementation and application of this technology.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Acidizing Applications in Sandstones and Carbonates – ASC

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
12 - 23 July, 2021

ENROLL

DISCIPLINE: Production and Completions Engineering

LEVEL: Intermediate

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6) on Monday, Wednesday, and Friday each week.

Although acidizing is the oldest method of well stimulation, it is often applied with mixed results. It remains, however, a valuable tool for improving well productivity. The key to acidizing success is in the understanding of how it works, the optimum conditions for its application, and proper evaluation of well response after the acidizing treatment. The instructor will present many of the practical aspects of acidizing applications and help provide a better understanding of acidizing as a tool for enhancing well performance.

DESIGNED FOR:
Engineers and other personnel involved with the daily operation and management of producing oil and gas wells; production engineers and reservoir engineers involved with well stimulation applications would also benefit from attending this course

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Advanced Hydraulic Fracturing – AHF

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
2 -13 August, 2021

ENROLL

DISCIPLINE: Production and Completions Engineering / Unconventional Resources

LEVEL: Specialized

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

This advanced course is designed for those who have a practical understanding of the applications of hydraulic fracturing and want to expand their knowledge. The course provides the details and discussion of fracturing concepts usually accepted or assumed in fracturing applications. The strengths and limitations of various approaches to fracturing treatment design are also covered. Attendees should leave the advanced course with a better understanding of the hydraulic fracturing process and how it relates to post-frac well performance, after working on real fracturing cases design and analysis throughout the course.

DESIGNED FOR:
Production, operations, and completions engineers who are actively involved in hydraulic fracturing applications and desire a more in-depth understanding of hydraulic fracturing theory and applied concepts. It is designed for engineers that have some fracturing experience or those who have already attended the PetroSkills Intermediate level Hydraulic Fracturing Applications course.

TUITION: $4,190 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Applied Reservoir Engineering – RE

BLENDED DELIVERY

Activities include 32 hours of instructor-led, virtual training sessions, plus approximately 88 hours of self-paced work.

Course Dates:
15 March - 6 August, 2021
23 August, 2021 - 7 Jan, 2021

ENROLL

DISCIPLINE: Reservoir Engineering

LEVEL: Foundation

DURATION: Activities include 32 hours of instructor-led, virtual training sessions, plus approximately 88 hours of self-paced work.

The Applied Reservoir Engineering Blended Program represents the core of the PetroSkills reservoir engineering program and the foundation for all future studies in the subject. Numerous engineering practices are covered, ranging from fluid and rock properties to simulation and field development planning. Reservoir engineering is presented in the context of a modern, multi-disciplinary team effort using supporting computer technology.

This workshop will be delivered virtually through PetroAcademy. Each PetroAcademy offering integrates multiple learning activities, such as reading assignments, self-paced e-Learning, virtual instructor-led sessions, discussion forums, group exercises, case studies, quizzes, field trips, and experiential activities.

DESIGNED FOR:
Engineers or geoscientists performing reservoir engineering tasks for their asset team.

TUITION: $6,985 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Basic Drilling Technology – BDT

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually through PetroAcademy providing participants with the knowledge they need at their convenience.

Course Dates:
19 - 30 April, 2021

ENROLL

DISCIPLINE: Well Construction / Drilling

LEVEL: Foundation

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

This basic drilling technology course addresses the technology used to drill wells from a fundamental view point. Equipment and procedures involved with drilling oil and gas wells are described for those who are interested in understanding the drilling process regardless of academic background. During the first day, the overall drilling process is presented along with definitions and descriptions of drilling equipment. This provides the vocabulary to understand the drilling process. During the remainder of the week, the various components and procedures are discussed in greater detail with explanations of the basic science concepts which guide these processes. Subjects include descriptions of drill bits, directional drilling, drilling fluids, solids control, cementing, casing, well bore stability, well control, measurement-while-drilling techniques, stuck pipe, lost circulation, and well bore hydraulics.

DESIGNED FOR:
Petroleum and production engineers, completion engineers, geoscientists, managers, technical supervisors, service and support personnel, entry level drilling engineers, drilling operations personnel, drilling office support staff.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Basic Drilling, Completion and Workover Operations – BDC

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
15 - 26 March, 2021
Available On-Demand

ENROLL

DISCIPLINE: Multi-Discipline

LEVEL: Basic

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

This course presents the basics of drilling and completion operations, plus post-completion enhancement (workovers). Participants will learn to visualize what is happening downhole, discover what can be accomplished, and learn how drilling and completion can alter reservoir performance. Learn to communicate with drilling and production personnel. No experience or prerequisites are required.

DESIGNED FOR:
Technical, field, service, support, and supervisory personnel desiring to gain an awareness of wellbore operations. Excellent for cross-training of other technical disciplines such as reservoir and facility engineers, geoscientists, supervisors, service personnel, and anyone who interacts with drilling, completion or workover engineers.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Basic Geophysics – BGP

VIRTUAL, INSTRUCTOR-LED TRAINING

This workshop will be delivered virtually through PetroAcademy.

Course Dates:
19 April - 11 June, 2021
20 September - 12 November, 2021
Available On-Demand

ENROLL

DISCIPLINE: Geophysics

LEVEL: Basic

DURATION: Activities include 2 hours of instructor-led, virtual training sessions, plus approximately 47 hours of self-paced work.

This course is designed to familiarize anyone using seismic data with the nature of the data and what they specifically represent. One of the key goals of the course is to explain the confusing amount of jargon that is used by the geophysical community when they use seismic data. The course is supplemented by a large number of case histories that concretely illustrate the principles in the course material. These are updated with every course presentation to keep up with the rapidly developing technology in this field.

DESIGNED FOR:
Geoscientists, engineers, team leaders, geoscience technicians, asset managers, and anyone involved in using seismic data that needs to understand and use this data at a basic level or to communicate with others that use it

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Basic Petroleum Engineering Practices – BE

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
10 - 21 May, 2021

ENROLL

DISCIPLINE: Multi-Discipline / Unconventional Resources

LEVEL: Basic

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

This course is a basic introduction to most aspects of the Petroleum Engineering discipline, which includes reservoir, production, and drilling engineering as well as related topics. This course lays the groundwork for further specialized training in advanced courses for oil company and service company personnel. The course focuses on the field and application approach and includes classroom exercises, fundamental engineering problems, and basic field exercises. Basic Petroleum Engineering Practices will set the foundation for technical professionals with regards to technology and its engineering applications.

DESIGNED FOR:
Engineers, engineering trainees, technical managers and assistants, technicians, geologists, geophysicists, chemists, physicists, service company personnel, sales representatives, and data processing personnel.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Basic Petroleum Technology – BPT

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
26 April - 7 May, 2021
Available On-Demand

ENROLL

DISCIPLINE: Multi-Discipline / Unconventional Resources

LEVEL: Basic

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

This course provides the participant with an understanding of basic petroleum technology in the context of the Petroleum Value Chain and Asset Management, from exploration to abandonment. Unconventional shale (tight oil and gas) and conventional oil and gas are covered. The participant will understand how and when geoscience and engineering professionals use technology to determine and then optimize the economic value of an oil and gas field. This enables the participant to maximize their professional and administrative contribution in their organization. Participants first learn and understand why various global oil and gas production types and plays (unconventional and conventional) have different value. The participant learns which technologies are used by the geoscience and engineering departments during each stage of the asset life cycle and WHY!

DESIGNED FOR:
This course is appropriate for those who need to achieve a context and understanding of E&P technologies in conventional and unconventional fields, and/or the role of technical departments in oil and gas operations, and/or be able to understand and use the language of the oilfield.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Basic Reservoir Engineering – BR

VIRTUAL, INSTRUCTOR-LED TRAINING

This course is available in virtual, instrucotr-led or blended delivery formats.

Course Dates:
15 March - 14 May, 2021 *Blended Delivery*
12 - 23 July, 2021
23 Auust - 22 October, 2021 *Blended Delivery*

ENROLL

DISCIPLINE: Reservoir Engineering

LEVEL: Basic

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

Basic Reservoir Engineering is a course designed to help the participants develop a more complete understanding of the characteristics of oil and gas reservoirs, from fluid and rock characteristics through reservoir definition, delineation, classification, development, and production. Data collection, integration, and application directed toward maximizing recovery and Net Present Value are stressed. Basic reservoir engineering equations are introduced with emphasis directed to parameter significance and an understanding of the results. For nearly 30 years this has been one of our most popular and successful courses.

DESIGNED FOR:
Geologists, geophysicists, engineers, engineering trainees, technical managers, technical assistants, technicians, chemists, physicists, technical supervisors, service company personnel, sales representatives, data processing personnel, and support staff working with reservoir engineers and wanting to understand the process of reservoir definition, development, and production, or engineers newly placed in a reservoir engineering position that want a first reservoir engineering course at the Basic level.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Capillarity in Rocks – CIR

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
26 April - 7 May, 2021
18 - 29 October, 2021

ENROLL

DISCIPLINE: Reservoir Engineering / Petrophysics

LEVEL: Intermediate

DURATION: For the April virtual session, course hours will be 08:00-12:00 US Central time (GMT - 6:00) on Monday, Wednesday, and Friday over the two week class period.

For the October virtual session, course hours will be 08:00-12:00 Western Australia time (GMT +8:00) on Monday, Wednesday, and Friday over the two week class period.

The course provides detailed knowledge of how capillarity affects hydrocarbon distribution in a reservoir rock, and how the magnitude of capillary forces can be used to deduce valuable information about rock properties including pore throat sizes, pore network geometry, porosity, and permeability. Several in-class exercises reinforce the course learning and provide students with experience using capillary pressure data for reservoir characterization. Exercises will be worked on the computer using spreadsheet software.

DESIGNED FOR:
Geoscientists, petrophysicists, reservoir engineers, and research and development staff who want to gain fundamental and intermediate insight into the capillary properties and hydrocarbon distribution in reservoir rocks.

TUITION: $3,055 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Casing Design Workshop – CDW

BLENDED DELIVERY

Activities include 22 hours of instructor-led, virtual training sessions, plus approximately 15 hours of self-paced work.

Course Dates:
26 October - 18 November, 2021 *Blended Delivery*

ENROLL

DISCIPLINE: Well Construction / Drilling

LEVEL: Intermediate

DURATION: Activities include 22 hours of instructor-led, virtual training sessions, plus approximately 15 hours of self-paced work.

Casing design is an integral part of a drilling engineer's work scope. This workshop provides a comprehensive overview of the design process, emphasizing the working stress approach currently used in the industry. Upon completion, participants will be able to select casing points, identify tubular requirements, loads, and present a design which incorporates life cycle considerations. Estimation of standard and special loads is covered in detail. Standard theories of strength and failure are discussed as well as advanced considerations for combined loads. Topics related to safe handling, running and hanging practices will additionally be covered.

DESIGNED FOR:
Engineers, site supervisors, and technical managers responsible for casing design and/or review of the casing design for the full life cycle of the well. Participants should have at least one year of drilling-related experience AND be in a role that requires that they perform a detailed casing design.

TUITION: $3,885 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Coiled Tubing Interventions – CTI

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
12 -23 July, 2021

ENROLL

DISCIPLINE: Production and Completions Engineering

LEVEL: Foundation

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

This course covers the surface and pressure control equipment, the bottomhole assembly components (downhole tools), the string manufacturing and operational limits, the interventions performed with coiled tubing (20+ different pumping and mechanical interventions including coiled tubing drill out and coiled tubing drilling), and how to deal with fatigue and corrosion. Nitrogen equipment and calculations required for constant / variable temperature and commingled nitrogen interventions are also covered.

DESIGNED FOR:
Well interventions or well services supervisors, operations or field Engineers, coiled tubing supervisors and operators, sub-surface engineers, production engineers, drilling engineers, completion engineers, and those professionals willing to expand their knowledge in coiled tubing and nitrogen interventions planning, design and/or execution.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Completions & Workovers – CAW

VIRTUAL, INSTRUCTOR-LED TRAINING

This course is available in virtual, instrucotr-led or blended delivery formats.

Course Dates:
1 - 12 March, 2021
4 October - 3 December, 2021 *Blended Delivery*
Available On-Demand

ENROLL

DISCIPLINE: Production and Completions Engineering / Unconventional Resources

LEVEL: Foundation

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

Completions and Workovers provides an integrated introduction to many facets of completion and intervention technology. The material progresses through each of the major design, diagnostic, and intervention technologies concluding with some common remedial measures and well abandonment. The course focuses on the practical aspects of each of the technologies, using design examples - successes and failures - to illustrate the key points of the design and the risks/uncertainties. The overall objectives of the course focus on delivering and maintaining well quality.

DESIGNED FOR:
Graduates or engineers with experience, engaged in drilling operations, production operations, workover, and completions; petroleum engineering in both the service and operating sectors.

TUITION: $4,390 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Coring and Core Analysis – CCA

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
26 July - 6 August, 2021

ENROLL

DISCIPLINE: Petrophysics

LEVEL: Foundation

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

More than three-quarters of current additions to the world's reserves come from better management of existing reserves. Core-based measurements offer the most tangible and direct means of determining critical reservoir parameters. Core analysis can play a vital role in field equity or unitization and is often considered to be the ground truth to which other measurements are compared (e.g., wireline logging). Using a multidisciplinary approach, participants are taken through the steps necessary to obtain reliable core analysis data and solve formation evaluation problems.

DESIGNED FOR:
Petrophysicists, reservoir engineers, exploration and development geologists, core and log analysts, geophysicists, drilling and completion engineers, and oil company research and development staff.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Directional, Horizontal, and Multilateral Drilling – DHD

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
3 - 14 May, 2021

ENROLL

DISCIPLINE: Well Construction / Drilling / Unconventional Resources

LEVEL: Intermediate

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

This course builds a firm foundation in the principles and practices of directional drilling, calculations, and planning for directional and horizontal wells. Specific problems associated with directional/horizontal drilling such as torque, drag, hole cleaning, logging, and drill string component design are included. Participants will receive instruction on planning and evaluating horizontal wells based on the objectives of the horizontal well. The basic applications and techniques for multi-lateral wells are covered in the course. Additionally, they will become familiar with the tools and techniques used in directional drilling such as survey instruments, bottomhole assemblies, motors, steerable motors, and steerable rotary systems. Participants will be able to predict wellbore path based on historical data and determine the requirements to hit the target.

DESIGNED FOR:
Drilling, production and operations engineers, field supervisors, toolpushers, managers, and technical support personnel.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Drilling Fluids Technology – DFT

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
10 - 21 May, 2021

ENROLL

DISCIPLINE: Well Construction / Drilling

LEVEL: Foundation

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

This course is designed for engineers and field personnel involved in the planning and implementation of drilling programs. The seminar covers all aspects of drilling fluids technology, emphasizing both theory and practical application. Hands-on laboratory exercises are included in the five-day Houston sessions. Drilling is a complex operation requiring the marriage of different technologies and disciplines. Today's drilling personnel must have a working knowledge of the drilling fluid in order to effectively drill a well. The course provides the fundamentals necessary to drill a well, whether it is a shallow well or a complex, high pressure well.

DESIGNED FOR:
Drilling supervisors, drilling engineers, tool pushers, managers, and technical support personnel involved with drilling operations. This course is valuable for anyone who needs to understand the fundamental aspects of drilling fluids.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Expanded Basic Petroleum Economics – BEC

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
22 February - 5 March, 2021
16 - 27 August, 2021

ENROLL

DISCIPLINE: Petroleum Business

LEVEL: Basic

DURATION: In the February virtual session, course hours will be 08:00-12:00 US Central Time (GMT -6:00) on Monday-Friday of each of the two weeks.

In the August virtual session, course hours will be 08:00-12:00 Western Australia Time (GMT +8:00) on Monday-Friday of each of the two weeks.

Could you answer the following three questions for your next project? What will it cost? What is it worth? Will it earn sufficient profit? Before undertaking any project, these questions should be answered. This course will provide the fundamentals necessary to enable you to do so. Budgeting and financing, accounting, and contractual arrangements, which also significantly impact the economic viability of a project, are covered.

DESIGNED FOR:
Managers, engineers, explorationists, field accounting supervisors and other personnel who need to develop or improve their skill and understanding of basic economic analysis and profitability of petroleum exploration and production.

TUITION:$3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Gas Production Engineering – GPO

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
18 - 27 May, 2021
19 - 28 October, 2021

ENROLL

DISCIPLINE: Production and Completions Engineering / Unconventional Resources

LEVEL: Intermediate

DURATION: In the May virtual session, course hours will be 08:00-12:00 Western Australia Time (GMT +8:00) on Tuesday, Wednesday, and Thursday of each week.

In the October virtual session, course hours will be 08:00-12:00 US Central Time (GMT -5:00) on Tuesday, Wednesday, and Thursday of each week.

Learn the latest methods for calculating gas well performance from reservoir to sales. Reservoir performance covers the fundamentals of reservoir gas flow and details the best methods for testing wells, according to the time and money available. Reserve calculations and diagnostic testing from production data are covered. The importance of flow regime and non-Darcy flow on test design and interpretation is emphasized for new wells and for the possibility of improving the performance of older wells. Also discussed are performances of tight formations, horizontal wells, fractured wells, and methods for estimating gas reserves.

DESIGNED FOR:
Production, reservoir and facilities engineers, and others involved in gas production, transportation, and storage including field supervisors.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Gas Reservoir Management – GRM

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
21 June - 2 July, 2021

ENROLL

DISCIPLINE: Reservoir Engineering

LEVEL: Specialized

DURATION: Course hours are 08:00-12:00 CDT (GMT - 6:00), Monday, Wednesday, and Friday for the first week; and Monday, Wednesday, and Thursday for the second week.

Natural gas production has become a major part of every petroleum company's asset base and continues to grow in importance throughout the world. This course will help participants understand the engineering drivers on gas reservoir management and how a gas reservoir's value can be maximized through sound engineering practices. A full spectrum of gas reservoir engineering techniques is addressed and their application to a large variety of gas resource management options is discussed.

DESIGNED FOR:
Engineers actively involved with the operation and management of gas reservoirs; geoscientists working with gas reservoirs in field development and expansion planning would also benefit from attending this course.

TUITION: $4,190 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Geochemistry: Tools for Effective Exploration and Development – MGT

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
15 - 26 March, 2021

ENROLL

DISCIPLINE: Geology

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

Geochemical tools can dramatically improve discovery and development success by identifying and characterizing these targets in both conventional and unconventional systems. Course participants learn to interpret geochemical logs, map organic facies variations, identify petroleum systems using multivariate data, and predict vertical and lateral variations in oil quality and gas-to-oil ratios. The course teaches how to integrate geochemical, geological and engineering data to identify reservoir compartments, allocate commingled production, identify completion problems, and monitor flood progression. The class gives special attention to three key applications of oil fingerprinting to unconventional reservoirs: (i) Characterization of frac height, (ii) Quantification of the contribution of multiple formations to commingled production contacted by the induced fractures and (iii) Identification of 'cross talk' between wells completed in adjacent formations.

DESIGNED FOR:
Exploration and development geologists, geophysicists, geochemists, petroleum engineers, managers, and technical personnel. No background in geochemistry is needed.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

History Matching and Reservoir Optimization – HMRO

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
2 - 13 August, 2021

ENROLL

DISCIPLINE: Reservoir Engineering

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday-Friday each week.

This course is designed to cover state-of-the-art techniques/workflows for history matching geologic and reservoir models for both conventional and unconventional reservoirs. The course will discuss manual and assisted history matching methods and also, inverse modeling techniques and the pros and cons of the methods. The production/history data can be in the form of pressure or rate transient tests, tracer tests, multiphase production history, or interpreted 4D seismic information. Field examples will be presented to illustrate the current state of the art and limitations. The use of history matched models for optimizing reservoir development and management strategies will be discussed.

DESIGNED FOR:
Practicing geoscientists and engineers performing geologic modeling, reservoir simulation, and optimization studies. Participants are expected to have basic knowledge and/or experience related to geologic modeling and reservoir simulation.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Hydraulic Fracturing Applications – HFU

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually through PetroAcademy providing participants with the knowledge they need at their convenience.

Course Dates:
7 - 18 June, 2021

ENROLL

DISCIPLINE: Production and Completions Engineering / Unconventional Resources

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday-Friday each week.

The course reviews the basic concepts of hydraulic fracturing and the broad applications of the technique. Fracturing technology benefits and limitations in all types of sandstone and carbonate reservoirs are explained. It considers the critical components of the fracturing process, and it expands on the steps and data input requirements to effectively select stimulation candidates, plan, design, and implement hydraulic fracturing treatments. The use of modeling as an important tool to design and analyze treatments, how it can be effectively used in practical applications, and its limitations are explained. In addition to the technical presentation, the course contains many practical exercises and class problems based on case histories.

DESIGNED FOR:
Production, reservoir, and drilling engineers, and others who have a basic understanding of hydraulic fracturing and need to enhance their knowledge about fracturing concepts and applications.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Managing Non-Technical Risks – MNTR

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
8-18 March, 2021
19 - 29 July, 2021

ENROLL

DISCIPLINE: Petroleum Business / Well Construction/Drilling / Project Management / Unconventional Resources

LEVEL: Basic

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

This course looks at both the internal and the external challenges that a company may face related to stakeholder engagement. On the external side, we look at current trends in western and non-western societies, we study key stakeholder groups, in particular those seen as 'difficult to deal with,' and then cover the practicalities of creating and maintaining effective relationships. However, a company will not be effective in its response to the external world if it is not well organized internally. Therefore, this course will also look at processes and tools to ensure internal alignment and cooperation with the aim to link external perspectives to business decision making.

DESIGNED FOR:
All oil and gas business professionals who are directly or indirectly involved in the management of non-technical risks. Specifically, managers with accountability for business delivery, that is, projects or operations; managers of technical and commercial teams that support projects or operations; and professionals in Health, Safety, Security & Social Responsibility; Government Relations; and Communications.

TUITION: $3,510 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Managing and Leading Others – MLO

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
25 May - 3 June, 2021

ENROLL

DISCIPLINE: Petroleum Business

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

This course increases the confidence and productivity of leaders, supervisors and managers who may be scientific or technical specialists, but have minimal training in the science and art of leading others. Skills in human relations, communication, motivation, and leadership are essential tools for the supervisor and manager. This course provides techniques enabling leaders to efficiently use one of the greatest resources a company has, its people. This highly interactive learning program will assist you in expanding your options for leading others. You will explore different concepts of management and leadership and how to apply your new skills in real world applications.

DESIGNED FOR:
Production, reservoir and facilities engineers, and others involved in gas production, transportation, and storage including field supervisors.

TUITION: $2,995 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Nodal Analysis Workshop – NAW3

BLENDED DELIVERY

Activities include 16 hours of instructor-led, virtual training sessions, plus approximately 22 hours of self-paced work.

Course Dates:
2 - 17 September, 2021

ENROLL

DISCIPLINE: Production and Completions Engineering

LEVEL: Intermediate

DURATION: 16 hours instructor-led (virtual), plus approximately 22 hours self-paced work

Well Inflow/ Outflow NODAL Analysis is an integral part of a production or completion engineer's work scope, and is often applied throughout a well's life to maximize value - from the beginning of the completion design process through underperforming well diagnostics. This workshop provides a comprehensive overview of this analysis technique, emphasizing real world application through multiple problems from different perspectives.

DESIGNED FOR:
Operating Company and Service Company engineers and technical managers responsible for performing or reviewing well systems analysis from at least one perspective (perforating design, tubing sizing, post stimulation evaluation, etc.). Participants should be in a role that requires that they regularly perform or are required to technically review well inflow/outflow analysis.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Petroleum Project and Program Management Essentials – P3M3

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
29 November - 3 December, 2021

ENROLL

DISCIPLINE: Project Management

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

Petroleum companies often use projects to develop the skills of early career project professionals. This course covers the essential skills of petroleum project and program management and provides an opportunity to apply those skills to your project. You will be able to utilize fit-for-purpose prioritization techniques and control tools to facilitate successful outcomes. The specific training received in planning, scheduling and risk management will help the early career professional make the best decisions possible. Participants will learn how the project management, HSE, engineering, operations, maintenance, procurement/supply chain, and transportation disciplines relate to one another and what tools are available to ensure interfaces among key stakeholders are managed.

DESIGNED FOR:
Project managers and engineers, facility engineers, operations and maintenance representatives, schedulers, cost controllers, and purchasing personnel who plan, manage, or participate on multi-discipline teams.

TUITION: $2,995 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Petroleum Risk and Decision Analysis – PRD

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
7 - 18 June, 2021
20 September - 1 October, 2021

ENROLL

DISCIPLINE: Petroleum Business

LEVEL: Foundation

DURATION: For the June virtual session, course hours will be 08:00-12:00 US Central Daylight Time (GMT - 5:00) Monday-Friday for each of the two weeks.

For the September virtual session, course hours will be 08:00-12:00 Western Australia Time (GMT +8:00).

Good technical and business decisions are based on competent analysis of project costs, benefits and risks. Participants learn the decision analysis process and foundation concepts so they can actively participate in multi-discipline evaluation teams. The focus is on designing and solving decision models. About half the problems relate to exploration. The methods apply to R&D, risk management, and all capital investment decisions. Probability distributions express professional judgments about risks and uncertainties and are carried through the calculations. Decision tree and influence diagrams provide clear communications and the basis for valuing each alternative. Monte Carlo simulation is experienced in detail in a hand-calculation exercise.

DESIGNED FOR:
Geologists, engineers, geophysicists, managers, team leaders, economists, and planners.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Production Logging – RMP

BLENDED DELIVERY

This course will be delivered virtually through PetroAcademy providing participants with the knowledge they need at their convenience.

Course Dates:
12 April - 28 May, 2021
Available On-Demand

ENROLL

DISCIPLINE: Production and Completions Engineering / Reservoir Engineering

LEVEL: Intermediate

DURATION: Approximately 50 hours self-paced or recorded instructor-led activities

Production logging refers to acquiring a suite of logging measurements in a completed well that is either on injection or production to evaluate the flow performance of the well or the reservoir. Special purpose production logging instruments can evaluate the well completion or look behind the pipe to evaluate the formation and its fluids in the near-well bore vicinity. Production logs are playing an increasing role in modern reservoir management by providing the only means of directly identifying downhole fluid movement. This course will cover single-phase and multi-phase fluid flow in pipes, the theoretical bases of production logging techniques, production log interpretation, and operational considerations in acquiring production logs. Numerous field examples are used to illustrate the principles of production log interpretation.

DESIGNED FOR:
Petroleum and drilling engineers and managers, reservoir engineers, subsurface engineers, production engineers/technologists, petrophysicists, log analysts, and anyone interested in understanding production logs and cased-hole surveys.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Production Operations 1 – PO1

BLENDED DELIVERY

Activities include 22 hours of instructor-led, virtual training sessions, plus approximately 87 hours of self-paced work.

Course Dates:
29 March - 16 July, 2021
13 September - 24 December, 2021
Available On-Demand

ENROLL

DISCIPLINE: Production and Completions Engineering

LEVEL: Foundation

DURATION: Activities include 22 hours of instructor-led, virtual training sessions, plus approximately 87 hours of self-paced work.

The Production Operations Blended Program represents the core foundation series of PetroSkills production engineering curriculum. Participants will become familiar with both proven historical production practices as well as current technological advances to enhance oil and gas production. Applied skills guide the participant within a framework to make careful, prudent, technical oil and gas business decisions.

DESIGNED FOR:
Engineers starting a work assignment in production engineering and operations, Production operations staff, Reservoir engineers, Facilities staff, Drilling and completions engineers, Geoscientists, Field supervisors, managers, and technicians, Service company engineers and managers.

TUITION: $6,985 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Production Technology for Other Disciplines – PTO

VIRTUAL, INSTRUCTOR-LED TRAINING

This course is available in virtual, instrucotr-led or blended delivery formats.

Course Dates:
22 March - 18 June, 2021 *Blended Delivery*
3 - 14 May, 2021
7 September - 3 December, 2021 *Blended Delivery*

ENROLL

DISCIPLINE: Production and Completions Engineering

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

Blended Delivery activities include 12 hours of instructor-led, virtual training sessions, plus approximately 59 hours of self-paced work.

PTO is an asset team course as it introduces a broad array of important daily Production Technology practices to team members. Terminologies, expressions, axioms, and basic calculations regularly utilized by Production Techs are covered throughout the course. Emphasis is upon proven technology required to effectively develop and operate an asset in a multidiscipline development environment.Both theory and actual field examples and well completion programs are studied along with class problems, exercises, and videos.

DESIGNED FOR:
Exploration and production technical professionals, asset team members, team leaders, line managers, IT department staff who work with data and support production applications, data technicians, executive management, and all support staff who require a more extensive knowledge of production technology and engineering.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Project Management for Engineering and Construction – FPM22

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
10 - 21 May, 2021
11 - 22 October, 2021

ENROLL

DISCIPLINE: Project Management

LEVEL: Intermediate

DURATION: For the May virtual session, class hours will be 08:00-12:00 US Central time (GMT -5:00) Monday-Friday each week.

For the October virtual session, class hours will be 08:00-12:00 Western Australia time (GMT +8:00) Monday-Friday each week.

Many petroleum projects fail to meet their authorized cost, schedule or operability targets. To be successful, today's project leader needs a comprehensive set of technical, business and interpersonal skills. This course addresses those critical skills. Seasoned instructors tackle the issues and challenges found in concept selection, development planning, facility design, procurement, and construction activities.

DESIGNED FOR:
Project managers, facility engineers, construction representatives, schedulers, cost controllers, operations personnel, and supply chain specialists including team leaders and others who participate on or consult with multi-discipline development teams. This course is also suitable for business development, finance and land specialists as well as other non-engineering personnel who would benefit from an understanding of oil and gas project management.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Project Management in Upstream Field Development – FPM2

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
22 - 26 March, 2021

ENROLL

DISCIPLINE: Project Management / Unconventional Resources

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

A project does not stand alone. Not only does a project manager need to stay focused on project cost, schedule and performance targets, he or she must take a broader view. Many projects are a part of a larger field development program. Maintaining cadence among related projects is essential to success. This course will help you effectively deliver facility and infrastructure projects that are crucial for timely oil and gas production.

DESIGNED FOR:
Early career project managers, leads, engineers, and services personnel who are on field development project teams. This includes operations and facility reps, cost and schedule controllers, and buyers and logistics specialists. This course is also for the business, finance and land reps as well as other non-engineers who would benefit from an overview of oil and gas project and programs.

TUITION: $2,995 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Reservoir Characterization: A Multi-Disciplinary Team Approach – RC

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
12 - 23 April, 2021

ENROLL

DISCIPLINE: Reservoir Engineering

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

The modern team approach to Reservoir Characterization describes productive zones more reliably through the integration of disciplines, technology, and data. Increase your proven reserves, discover by-passed pay, reduce development time and costs, improve production rates, and rejuvenate old fields through the skills learned in this course.

DESIGNED FOR:
Geologists, geophysicists, reservoir engineers, production engineers, petrophysicists, exploration and production managers, team leaders, and research scientists.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Reservoir Engineering for Other Disciplines – REO

VIRTUAL, INSTRUCTOR-LED TRAINING

This course is available in virtual, instrucotr-led or blended delivery formats.

Course Dates:
12 - 23 July, 2021
15 March - 11 June, 2021 *Blended Delivery*
23 August - 19 November, 2021 *Blended Delivery*
18 - 29 October, 2021

ENROLL

DISCIPLINE: Reservoir Engineering

LEVEL: Foundation

DURATION: In the July virtual session, class hours will be 08:00-12:00 US Central time (GMT -5:00) on Monday-Friday each week of the course.

In the October virtual session, class hours will be 08:00-12:00 Western Australia time (GMT +8:00) on Monday-Friday each week of the course.

This course gives the non-reservoir engineer a better understanding of reservoir engineering practices and limitations. The course is designed to provide a good understanding of reservoir engineering processes, the required data, and the limitations on the engineers' analysis and interpretations. The course also provides persons who are already well trained in the other upstream petroleum industry technical disciplines with an understanding of the current state-of-the-art practice of reservoir engineering.

DESIGNED FOR:
Engineers and geoscientists now working in an asset environment where they need to better understand the practices and limitations of the methods and procedures employed by the reservoir engineers with whom they work. Participants should have three or more years of technical experience in the upstream petroleum industry.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Reservoir Management – RM

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
15 - 26 March, 2021

ENROLL

DISCIPLINE: Reservoir Engineering

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

The principles of sound reservoir management are presented with emphasis on practical applications. Actual case histories are used to study both successes and failures. An interdisciplinary synergistic approach to efficient reservoir management is detailed with the goal of optimized profitability. The significance of each component and the importance of timing and cost/benefit analysis are emphasized. Reservoir management models for optimum field development and field operating plans are analyzed. The interdisciplinary reservoir management approach shows how each technology or function contributes to the plan and how checks and balances are developed.

DESIGNED FOR:
Reservoir, production, and operations engineers, geologists, geophysicists, managers, experienced technicians, and service company personnel responsible for improving the performance of petroleum reservoirs.

TUITION:$4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Reservoir Management for Unconventional Reservoirs – RMUR

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
26 April - 7 May, 2021

ENROLL

DISCIPLINE: Reservoir Engineering / Unconventional Resources

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CST (GMT - 6:00), Monday-Friday each week.

This course in unconventional reservoir management is aimed at all petro-technical professionals who have little experience with these resource types but who wish to quickly learn some key elements and issues associated with the exploitation of unconventional reservoirs (tight gas, tight oil, and shales). The course is built around the role of the reservoir engineer and, hence, concerns itself with the integration and use of information to make well rate and recoverable volumes estimates, making decisions on desirable data collection, and planning answers to common questions such as choice of initial development spacing and the value of subsequent infill drilling. Attendees should leave this course with an improved understanding of unconventional reservoir exploitation.

DESIGNED FOR:
All petro-technical professionals who have little experience with unconventional reservoirs but who need or desire to start developing some understanding of important basic concepts and methods associated with these resource types. The course is focused on reservoir management issues for tight gas, tight oil and shale reservoirs. CBM reservoirs are not addressed.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Seismic Interpretation – SI1

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
15 - 26 March, 2021

ENROLL

DISCIPLINE: Geophysics

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CST (GMT - 6:00), Monday-Friday each week.

Can I observe the reservoir on seismic? How large is the reservoir? Did the well cut a fault? Can seismic help me tie a set of wells? What kind of a structural trap did I drill into? Is the structure valid or a seismic artifact? Are these reflections real or multiples? How can I combine structural and stratigraphic interpretations to develop a structural and depositional history? How does seismic data acquisition and processing impact my interpretation? Will my well encounter hazards such as abnormal pressure or shallow gas? The participant learns to answer these and related questions by gaining an understanding of the seismic system, its limitations and pitfalls, and by interpreting 2D and 3D seismic examples of structural and stratigraphic features associated with actively producing hydrocarbon areas.

DESIGNED FOR:
Geologists, geophysicists, and engineers who want to use seismic data for petroleum exploration and/or production. Familiarity with geological terminology will be helpful.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Surface Production Operations – PO3

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
16 - 27 August, 2021

ENROLL

DISCIPLINE: Production and Completions Engineering

LEVEL: Basic

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

This course presents a basic overview of all typical oilfield treating and processing equipment. Participants should learn not only the purpose of each piece of equipment but how each works. Emphasis is on gaining a basic understanding of the purpose and internal workings of all types of surface facilities and treating equipment. A major goal of this course is to improve communication among all disciplines, the field, and the office. Better communication should enhance operational efficiencies, lower costs and improve production economics.

DESIGNED FOR:
All field, service, support, and supervisory personnel having interaction with Facilities Engineers and desiring to gain an awareness level understanding of the field processing of production fluids. This course is excellent for cross-training and delivers an understanding of all the fundamental field treating facilities.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Team Leadership – TLS

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
14 - 17 June, 2021

ENROLL

DISCIPLINE: Petroleum Business

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

This program will develop and refine the skills essential for leading a high performance team. Emphasis is placed on the leader's role in effectively enhancing total team functionality and maximum team productivity. Individual communication styles will be assessed and examined to identify the most appropriate communication style to use with your team. This course has been constructed to maximize opportunity to improve both knowledge and practical skills in leading a team and being a team player.

DESIGNED FOR:
Team leaders, supervisors, managers, and others responsible for leading a team and interested in establishing and/or being a part of a highly productive team.

TUITION: $2,395 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Waterflooding A to Z – WF

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually through PetroAcademy providing participants with the knowledge they need at their convenience.

Course Dates:
10 -21 May, 2021

ENROLL

DISCIPLINE: Reservoir Engineering

LEVEL: Foundation

DURATION: In the July virtual session, class hours will be 08:00-12:00 US Central time (GMT -5:00) on Monday-Friday each week of the course.

In the October virtual session, class hours will be 08:00-12:00 Western Australia time (GMT +8:00) on Monday-Friday each week of the course.

This course is light on theory but heavy on proven and successful practices. Published case histories of projects around the world are reviewed to provide an understanding of divergent points-of-view, what works where, what fails when, and why. This training covers all elements of a waterflood project from A to Z - from source water selection to produced water disposal and everything in between.

DESIGNED FOR:
Reservoir, production, facilities, and operations engineers who are involved with some aspects of a new or existing waterflood project; geoscientists and professionals who want to get a better feel for the entire process of planning, development, management, and recovery optimization of a waterflood project.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Well Log Interpretation – WLI

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
14 - 25 June, 2021

ENROLL

DISCIPLINE: Petrophysics

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CST (GMT - 6:00), Monday - Friday each week.

he most universal, comprehensive, and concise descriptive documents on oil and gas wells are logs. They impact the work of almost every oilfield group from geologists to roustabouts to bankers. Familiarity with the purposes and optimum applications of well logs is, therefore, essential for people forging their careers in the oil business. The instructor uses a novel approach to help participants develop a good grounding in understanding and applying well logging techniques. General principles of physics are presented to explain the functioning of modern logging tools. Wherever possible, the physics of logging measurements is related to everyday tools and applications. Participants develop an appreciation for the constraints and limitations of operating in the borehole environment.

DESIGNED FOR:
Petrophysicists, geologists, geophysicists, engineers, technicians, or anyone interested in a solid understanding of the principles of borehole geophysics.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Blended Training Courses

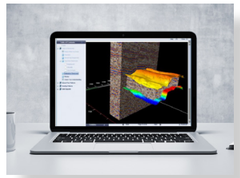
Blended training combines self-paced online training with virtual instructor-led sessions, utilizing PetroSkills' knowledge, expertise, content, and technology to deliver world-class training to oil and gas professionals around the world. Benefits include reduced time to competency, no travel expenses, access to a PetroSkills expert, and more.

Subsurface Courses - *Available On-Demand*

- Applied Reservoir Engineering - RE
- Basic Drilling, Completions, and Workover Operations - BDC
- Basic Geophysics - BGP
- Basic Petroleum Geology - BG
- Basic Petroleum Technology Principles - BPTP
- Basic Reservoir Engineering - BR
- Completions & Workovers - CAW
- Foundations of Petrophysics - FPP
- Production Logging - RMP
- Production Operations 1 - PO1
- Production Technology for Other Disciplines - PTO
- Reservoir Engineering for Other Disciplines - REO

Facilities Courses - *Available On-Demand*

- Basics of Rotating Mechanical Equipment - BRM
- Basics of Static Mechanical Equipment - BSM
- Gas Conditioning and Processing - G4
- Process Safety Engineering Principles - PSE



Online Skill Modules

More than 100 individual skill modules are available online. Work through them at your pace, whenever and wherever you need them.

Click on any discipline below to browse available modules:

- Multi-Discipline
- Geosciences
- Petrophysics
- Reservoir Engineering
- Well Construction / Drilling
- Production and Completions Engineering
- Process Safety
- Gas Processing
- Mechanical Engineering
- Pipeline Engineering
- Instrumentation, Controls, and Electrical

Basic Petroleum Engineering Practices – BE

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
10 - 21 May, 2021

ENROLL

DISCIPLINE: Multi-Discipline / Unconventional Resources

LEVEL: Basic

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

This course is a basic introduction to most aspects of the Petroleum Engineering discipline, which includes reservoir, production, and drilling engineering as well as related topics. This course lays the groundwork for further specialized training in advanced courses for oil company and service company personnel. The course focuses on the field and application approach and includes classroom exercises, fundamental engineering problems, and basic field exercises. Basic Petroleum Engineering Practices will set the foundation for technical professionals with regards to technology and its engineering applications.

DESIGNED FOR:
Engineers, engineering trainees, technical managers and assistants, technicians, geologists, geophysicists, chemists, physicists, service company personnel, sales representatives, and data processing personnel.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Basic Petroleum Technology – BPT

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
26 April - 7 May, 2021
Available On-Demand

ENROLL

DISCIPLINE: Multi-Discipline / Unconventional Resources

LEVEL: Basic

DURATION: Course hours will be 08:00-12:00 US Central time (GMT-6).

This course provides the participant with an understanding of basic petroleum technology in the context of the Petroleum Value Chain and Asset Management, from exploration to abandonment. Unconventional shale (tight oil and gas) and conventional oil and gas are covered. The participant will understand how and when geoscience and engineering professionals use technology to determine and then optimize the economic value of an oil and gas field. This enables the participant to maximize their professional and administrative contribution in their organization. Participants first learn and understand why various global oil and gas production types and plays (unconventional and conventional) have different value. The participant learns which technologies are used by the geoscience and engineering departments during each stage of the asset life cycle and WHY!

DESIGNED FOR:
This course is appropriate for those who need to achieve a context and understanding of E&P technologies in conventional and unconventional fields, and/or the role of technical departments in oil and gas operations, and/or be able to understand and use the language of the oilfield.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Compressor Systems - Mechanical Design and Specification – ME46

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
4 - 15 October, 2021

ENROLL

DISCIPLINE: Mechanical Engineering

LEVEL: Specialized

DURATION: Course hours are 08:00-12:00 CST (GMT - 6:00), Monday - Friday each week.

This specialized-level course provides an in-depth understanding of centrifugal, reciprocating, and screw compressors. This course provides basic knowledge of compressor types and associated auxiliary systems, mechanical design of equipment, operating and performance characteristics, control and monitoring systems, maintenance practices, and codes and standards.

DESIGNED FOR:
Mechanical, facilities, plant, or pipeline engineers and technicians needing an in-depth understanding of the different types of compressors.

TUITION: $4,610 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Corrosion Management in Production/Processing Operations – PF22

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
7 - 18 June, 2021
18 - 29 October, 2021

ENROLL

DISCIPLINE: Mechanical Engineering / Process Facilities

LEVEL: Foundation

DURATION: In the June virtual session, course hours will be 08:00 - 12:00 Western Australia time (GMT + 8:00) Monday-Friday over the two week class period.

In the October virtual session, course hours will be 08:00 - 12:00 US Central Daylight Time (GMT - 5:00) Monday-Friday over the two week class period.

This comprehensive course will cover the main causes of corrosion in upstream oil and gas operations, as well as monitoring and mitigation methods. The various corrosion mechanisms give rise to a number of different forms of corrosion damage, which will all be considered. Participants will learn about the different aspects that make fluid corrosive, what enhances corrosion rates, and how to estimate corrosion rates of a given environment through analysis of the chemical and physical characteristics of the system; review approaches to selecting materials and coatings for corrosion resistance for different conditions and applications; and be introduced to cathodic protection systems and (CP) surveys, coating systems, and many other corrosion mitigation techniques.

DESIGNED FOR:
Managers, engineers, chemists, and operators who need to understand corrosion and its control management in oil and gas production and processing.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Expanded Basic Petroleum Economics – BEC

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
22 February - 5 March, 2021
16 - 27 August, 2021

ENROLL

DISCIPLINE: Petroleum Business

LEVEL: Basic

DURATION: In the February virtual session, course hours will be 08:00-12:00 US Central Time (GMT -6:00) on Monday-Friday of each of the two weeks.

In the August virtual session, course hours will be 08:00-12:00 Western Australia Time (GMT +8:00) on Monday-Friday of each of the two weeks.

Could you answer the following three questions for your next project? What will it cost? What is it worth? Will it earn sufficient profit? Before undertaking any project, these questions should be answered. This course will provide the fundamentals necessary to enable you to do so. Budgeting and financing, accounting, and contractual arrangements, which also significantly impact the economic viability of a project, are covered.

DESIGNED FOR:
Managers, engineers, explorationists, field accounting supervisors and other personnel who need to develop or improve their skill and understanding of basic economic analysis and profitability of petroleum exploration and production.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Fractionation Operations for Early-Career Engineers – SIM-FOE

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two day period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
7 - 8 April, 2021

ENROLL

DISCIPLINE: Operations & Maintenance

LEVEL: Foundation

DURATION: 2-day virtual classroom.

This interactive 2-day course combines elements of high fidelity, generic process simulators as well as a student-driven learning model centered around the INSTO Methodology. The course allows early-career engineers an opportunity to explore the same system dynamics and process upsets that plant operators face. In this course each trainee will have access to their own generic simulators including a Heat Exchanger, Flash Drum, and Fractionation simulator. Trainees will have an opportunity to startup each piece of equipment as well as spend time troubleshooting common malfunctions relating to exchanger and separating units. Tower operations that promote both safety as well as optimization are stressed throughout the course. The material of the course is applicable to refineries, petrochemical sites, chemical plants, and any other facilities that operate distillation columns.

DESIGNED FOR:
Early-career process or controls engineers that would benefit from an operations bootcamp

TUITION: $2,395 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Fundamentals of Pump and Compressor Systems – ME44

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
22 March - 2 April, 2021

ENROLL

DISCIPLINE: Mechanical Engineering

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CST (GMT - 6:00), Monday - Friday each week.

This is an intensive course providing a comprehensive overview of pumps and compressor systems. The focus is on equipment selection; type, unit, and station configuration; and integration of these units in the process scheme and control strategy in upstream and midstream oil and gas facilities. The material of the course is applicable to field production facilities, pipelines, gas plants, and offshore systems.

DESIGNED FOR:
Engineers, senior technicians, and system operators designing, operating, and maintaining pump and compressor systems in oil and gas facilities

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Gas Conditioning and Processing – G4

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a three week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
26 April - 14 May, 2021
7 - 25 June, 2021
6 - 24 September, 2021
1 - 19 November, 2021

ENROLL

DISCIPLINE: Gas Processing

LEVEL: Foundation

DURATION: For the April and September virtual sessions, class hours will be 08:00-12:00 US Central time (GMT -5:00) on Monday, Wednesday, and Friday, and online learning and exercises on Tuesday and Thursday each week.

For the June and November virtual sessions, class hours will be 08:00-12:00 Western Australia time (GMT +8:00) on Monday, Wednesday, and Friday, and online learning and exercises on Tuesday and Thursday each week.

The Campbell Gas Course has been the standard of the industry for more than 52 years. Tens of thousands of engineers have attended our G-4 program, considered by many to be the most practical and comprehensive course in the oil and gas industry. The Campbell Gas Course textbooks, Volumes 1 and 2, are routinely updated to reflect evolving technologies in this broad industry. Both hand-methods and computer-aided analysis are used to examine sensitivities of technical decisions. To enhance the learning process, about 30 problems will be assigned, reviewed, and discussed throughout the course. Problems will be solved individually and in teams.

This three-week program covers the core and fundamental facilities engineering skills that are delivered in the face-to-face version of the Campbell Gas Course®. The program uses self-paced online modules to cover the basic subject matter. These modules are coupled with virtual instructor-led lectures and workshops to cover the practical application of sound facilities engineering methods and analysis. Our online discussions will include practical rules of thumb, troubleshooting and equipment/process analysis.

DESIGNED FOR:
Production and processing personnel involved with natural gas and associated liquids, to acquaint or reacquaint themselves with gas conditioning and processing unit operations. This course is for facilities engineers, process engineers, senior operations personnel, field supervisors, and engineers who select, design, install, evaluate, or operate gas processing plants and related facilities. A broad approach is taken with the topics.

TUITION: $8,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Gas Conditioning and Processing - LNG Emphasis – G4-LNG

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a three week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
5 - 23 April, 2021

ENROLL

DISCIPLINE: Gas Processing

LEVEL: Foundation

DURATION: Course hours will be 08:00-12:00 CST (GMT-6:00) on Monday, Wednesday, and Friday of each week, with self-paced online learning and exercises on Tuesdays and Thursdays.

This is the LNG-industry version of our popular G-4 course, with expanded coverage of refrigeration and LNG technologies. The course includes in-depth information on basic natural gas conditioning and processing. This is mainly the core G-4 Campbell Gas Course curriculum in an LNG context with the expanded refrigeration coverage. The course covers relevant details of both the mixed refrigerant (APCI) and cascade (ConocoPhillips) processes in LNG liquefaction. Reference is made to other liquefaction processes including Mixed Fluid Cascade Process, Dual Mixed Refrigerant Process, and Nitrogen (single or dual) Cycles being developed for FLNG projects. This is followed by higher level coverage of the LNG value chain consisting of a gas liquefaction section; LNG run-down to LNG storage; loading berth for LNG export; LNG shipping; and LNG receiving and regasificaton terminals.

DESIGNED FOR:
Personnel involved with natural gas processing and LNG production, as well as anyone interested in a solid technical understanding of the principles of an LNG plant.

TUITION: $9,115 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Gas Treating and Sulfur Recovery – G6

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a three week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
22 March - 2 April, 2021

ENROLL

DISCIPLINE: Gas Processing

LEVEL: Intermediate

DURATION: Course hours will be 08:00-12:00 CST (GMT - 6:00) on Monday, Wednesday, and Friday for each of the two weeks.

This course emphasizes process selection, practical operating issues, technical fundamentals, and integration of the sweetening facilities into the overall scheme of gas processing. Sulfur recovery and tail gas processes are also covered, including standard Claus configurations, SuperClaus, EuroClaus, SCOT, etc. Special design and operation topics, such as trace sulfur compound handling and the importance of H2S:CO2 ratio, are covered as well. Related topics reviewed during the course include liquid product treating, corrosion, materials selection, and NACE requirements.

DESIGNED FOR:
Production and processing personnel involved with natural gas treating and sulfur recovery, requiring an understanding of the principles of these process operations. This course is for facilities engineers, process engineers, operations personnel, and field supervisors, as well as others who select, design, install, evaluate, or operate gas sweetening and sulfur recovery facilities.

TUITION:$4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Instrumentation, Controls and Electrical Systems Overview for Non-Electrical Engineers – ICE21

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a three week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
29 March - 9 April, 2021

ENROLL

DISCIPLINE: Instrumentation, Controls & Electrical

LEVEL: Basic

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday - Friday each week.

This course provides an introduction and overview of electrical systems, instrumentation, process control, and control/safety systems typically encountered in oil and gas facilities. The focus is to understand terminology, concepts, typical equipment configurations, and common pitfalls in order to improve communication with electrical and I&C professionals. This course covers similar content to our E3 and IC3 courses, but at a more conceptual level. This course is not a prerequisite for taking E3 or IC3, but rather a replacement for those that are not able to take both E3 and IC3.

DESIGNED FOR:
Process, chemical, and mechanical engineers, (i.e. non-instrumentation and non-electrical disciplines), as well as other technical and non-technical professionals with little or no background in IC&E systems. Electrical and Instrumentation Engineers should consider E3 and IC3 for more in-depth coverage.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

LNG Short Course: Technology and the LNG Chain – G29

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a three week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
23 August - 3 September, 2021

ENROLL

DISCIPLINE: Gas Processing

LEVEL: Basic

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday - Friday each week.

This LNG Short Course is designed for participants requiring moderate technical coverage, coupled with information on LNG commerce and all parts of the LNG Value Chain. Over 5-days, the course covers technical LNG basics and facility operation topics, plus technical, design, and commercial issues. Selected exercises and syndicates are used to reinforce the main topics of LNG trade and technology. In-house versions are available with either increased technical and operational emphasis or increased project and development emphasis. More in-depth coverage for technical, production, and processing personnel is available in our 10-day course, G-4 LNG, Gas Conditioning and Processing - LNG emphasis.

DESIGNED FOR:
Commercial and managerial staff looking for a concise overview; engineers new to the LNG industry; operations supervision staff and senior plant personnel; specialists looking to broaden their general knowledge of LNG; and staff involved in LNG commerce and interested in LNG technical fundamentals.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Oil Production and Processing Facilities – PF4

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
16 August - 3 September, 2021

ENROLL

DISCIPLINE: Process Facilities

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 Central European Time (GMT+1) Monday-Friday of each week.

The emphasis of this course is on oil production facilities - from the wellhead, to the delivery of a specification crude oil product, to the refinery. Both onshore and offshore facilities are discussed. Produced water treating and water injection systems are also covered. Solution gas handling processes and equipment will be discussed at a relatively high level. In addition to the engineering aspects of oil production facilities, practical operating problems will also be covered, including emulsion treatment, sand handling, dealing with wax and asphaltenes, etc. Exercises requiring calculations are utilized throughout the course. The course intended to complement the G-4 Gas Conditioning and Processing course, focused on the gas handling side of the upstream oil and gas facilities area.

DESIGNED FOR:
Process/facilities engineers and senior operating personnel involved with the design and operation of oil and produced water processing facilities.

TUITION: $8,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Overview of Offshore Systems – OS21

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
10 - 21 May, 2021

ENROLL

DISCIPLINE: Offshore & Subsea

LEVEL: Basic

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

This five-day course will accelerate the learning and productivity of individuals with little to no experience working in the offshore oil and gas industry. The course provides an overview of field development concepts and explains how offshore structures and facilities function as integrated systems. The content includes the full range of water depths from shallow water to ultra-deepwater. All major components required for offshore developments such as fixed and floating platforms, drilling and workover rigs, pipelines, risers, process and utilities and construction equipment are discussed. The importance of life-cycle considerations during development planning is emphasized. Individual and group exercises, including a case study, are used throughout the course. The course instructors are experienced offshore managers.

DESIGNED FOR:
Technical staff, business professionals, technicians, analysts and other non-technical staff who are involved but have limited experience, or will be involved, with offshore oil and gas facilities. The course provides a basic understanding of offshore systems in all water depths, from shallow to ultra-deepwater, including design, construction, and operations.

TUITION: $3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Petroleum Project and Program Management Essentials – P3ME

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
29 November - 3 December, 2021

ENROLL

DISCIPLINE: Project Management

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday - Friday each week.

Petroleum companies often use projects to develop the skills of early career project professionals. This course covers the essential skills of petroleum project and program management and provides an opportunity to apply those skills to your project. You will be able to utilize fit-for-purpose prioritization techniques and control tools to facilitate successful outcomes. The specific training received in planning, scheduling and risk management will help the early career professional make the best decisions possible. Participants will learn how the project management, HSE, engineering, operations, maintenance, procurement/supply chain, and transportation disciplines relate to one another and what tools are available to ensure interfaces among key stakeholders are managed.

DESIGNED FOR:
Project managers and engineers, facility engineers, operations and maintenance representatives, schedulers, cost controllers, and purchasing personnel who plan, manage, or participate on multi-discipline teams. This course also addresses the essential requirements associated with managing programs whose timely completion is essential to the success of regional operations.

TUITION: $2,995 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Petroleum Risk and Decision Analysis – PRD

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
7 - 18 June, 2021
20 September - 1 October, 2021

ENROLL

DISCIPLINE: Petroleum Business

LEVEL: Foundation

DURATION: For the June virtual session, course hours will be 08:00-12:00 US Central Daylight Time (GMT - 5:00) Monday-Friday for each of the two weeks.

For the September virtual session, course hours will be 08:00-12:00 Western Australia Time (GMT +8:00).

Good technical and business decisions are based on competent analysis of project costs, benefits and risks. Participants learn the decision analysis process and foundation concepts so they can actively participate in multi-discipline evaluation teams. The focus is on designing and solving decision models. About half the problems relate to exploration. The methods apply to R&D, risk management, and all capital investment decisions. Probability distributions express professional judgments about risks and uncertainties and are carried through the calculations. Decision tree and influence diagrams provide clear communications and the basis for valuing each alternative. Monte Carlo simulation is experienced in detail in a hand-calculation exercise.

DESIGNED FOR:
Geologists, engineers, geophysicists, managers, team leaders, economists, and planners.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Piping Systems - Mechanical Design and Specification – ME41

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
1 - 12 March, 2021

ENROLL

DISCIPLINE: Mechanical Engineering / Process Facilities

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CST (GMT - 6:00), Monday - Friday each week.

This intermediate level course for engineers and piping system designers reviews the key areas associated with the design of piping systems for oil and gas facilities. The course is focused on four areas: codes and standards, pipe materials and manufacture, piping components, and piping layout and design. Applicable piping codes for oil and gas facilities (ISO, B31.3, B31.4, B31.8, etc.), pipe sizing calculations, pipe installation, and materials selection are an integral part of the course. The emphasis is on proper material selection and specification of piping systems.

DESIGNED FOR:
This PetroSkills training course is ideal for mechanical, facilities, plant, or pipeline engineers and piping system designers who are involved in the design of in-plant piping systems for oil and gas facilities.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Process Safety Engineering Fundamentals – PSF

BLENDED DELIVERY

Approximately 40 hours of self-paced work

Course Dates:
30 March - 21 May, 2021
28 September - 19 November, 2021
Available On-Demand

ENROLL

DISCIPLINE: Process Facilities

LEVEL: Foundation

DURATION: Approximately 40 hours of self-paced work. Each module includes two 90-minute interactive sessions with the instructor, in which the applications and any concerns the participants may have will be discussed in detail.

This Process Safety Engineering Blended program extends the Process Safety Engineering Principles program to the Fundamental level. Course material is reinforced using problems, simple calculations, and applications to an example facility. The applications provide an opportunity to integrate the concepts and methods in an oil and gas environment. Frequent references will be made to historical incidents and common areas of process safety concern. By the end of the program, participants should be ready to apply their learning on the job.

DESIGNED FOR:
Production, reservoir and facilities engineers, and others involved in gas production, transportation, and storage including field supervisors.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Project Management for Engineering and Construction – FPM22

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
10 - 21 May, 2021
11 - 22 October, 2021

ENROLL

DISCIPLINE: Project Management

LEVEL: Intermediate

DURATION: For the May virtual session, class hours will be 08:00-12:00 US Central time (GMT -5:00) Monday-Friday each week.

For the October virtual session, class hours will be 08:00-12:00 Western Australia time (GMT +8:00) Monday-Friday each week.

Many petroleum projects fail to meet their authorized cost, schedule or operability targets. To be successful, today's project leader needs a comprehensive set of technical, business and interpersonal skills. This course addresses those critical skills. Seasoned instructors tackle the issues and challenges found in concept selection, development planning, facility design, procurement, and construction activities.

DESIGNED FOR:
Project managers, facility engineers, construction representatives, schedulers, cost controllers, operations personnel, and supply chain specialists including team leaders and others who participate on or consult with multi-discipline development teams. This course is also suitable for business development, finance and land specialists as well as other non-engineering personnel who would benefit from an understanding of oil and gas project management.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Relief and Flare Systems – PF44

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
29 March - 9 April, 2021

ENROLL

DISCIPLINE: Process Facilities

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday - Friday each week.

This intensive course provides a comprehensive overview of relief and flare systems for oil and gas processing facilities. The course begins with the need for pressure control/overpressure protection, continues with the key engineering and design aspects including code considerations, and concludes with selecting and sizing the components of a relief and flare system. The material of the course is applicable to onshore field production facilities, pipelines, gas plants, terminals, refineries, and offshore production facilities. The use of dynamic simulations for relief load determination is discussed and demonstrated.

DESIGNED FOR:
Engineers responsible for designing, operating, and maintaining relief and flare systems in oil and gas facilities.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Risk Based Process Safety Management – HS45

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
29 November - 9 December, 2021

ENROLL

DISCIPLINE: Health, Safety, Environment

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 Western Australia time (GMT +8:00), Monday - Thursday of each week.

This course introduces process safety management in the oil and gas industry, the elements and benefits of process safety management systems, and tools for implementing and managing a system. In this course the participant will learn to use tools and techniques for managing process safety. The Center for Chemical Process Safety's (CCPS) book titled "Guidelines for Risk Based Process Safety" or "RBPS Guidelines" will be the text for this course. Participant-centered exercises and selected case studies will be used to build on the concepts that CCPS advocates for risk based process safety.

DESIGNED FOR:
HSE professionals, operations and maintenance technicians, engineers, supervisors and project managers requiring a basic foundation in developing and managing process safety. The more technical aspects of process safety engineering are covered in PS-4, Process Safety Engineering.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Team Leadership – TLS

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
14 - 17 June, 2021

ENROLL

DISCIPLINE: Petroleum Business

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

This program will develop and refine the skills essential for leading a high performance team. Emphasis is placed on the leader's role in effectively enhancing total team functionality and maximum team productivity. Individual communication styles will be assessed and examined to identify the most appropriate communication style to use with your team. This course has been constructed to maximize opportunity to improve both knowledge and practical skills in leading a team and being a team player.

DESIGNED FOR:
Team leaders, supervisors, managers, and others responsible for leading a team and interested in establishing and/or being a part of a highly productive team.

TUITION: $2,395 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Terminals and Storage Facilities – PL44

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
12 - 23 April, 2021

ENROLL

DISCIPLINE: Pipeline Engineering

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CST (GMT - 6:00), Monday - Friday each week.

This 5-day, foundation level course reviews key issues associated with development, design, construction, and operation of terminals and storage facilities for liquid hydrocarbons and NGLs. The course focuses on six areas: 1) terminal codes and siting constraints, 2) terminal design and equipment layout, 3) types of storage and selection criteria, 4) design considerations for loading racks, fire protection, vapor recovery, blending equipment, and water treatment, 5) detailed design of storage tanks, vessels, and caverns, and 6) operations and maintenance. Safety, quality control, system reliability, availability, and regulatory compliance are integrated throughout the course. Case studies and team exercises are used to reinforce key points.

DESIGNED FOR:
Project managers, engineers, operations and maintenance supervisors, and regulatory compliance personnel with 1-3 years of experience in planning, engineering, constructing and/or operating terminals and storage facilities for hydrocarbon liquids, NGLs, and petrochemical feedstocks.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Troubleshooting Gas Processing Facilities – PF49G

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
31 May - 11 June, 2021

ENROLL

DISCIPLINE: Gas Processing

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

This course will cover how to establish and apply a general troubleshooting methodology as well as how to conduct process/equipment specific troubleshooting related to gas production and processing facilities. Definitions of good/normal performance will be discussed for each process/equipment type covered. Data gathering, validation and utilization procedures will be discussed. Criteria to use when evaluating possible problem solutions will also be covered. Real-world exercises will be utilized throughout the class to reinforce the learning objectives. Both onshore and offshore facilities will be discussed. It is assumed that course participants have a solid understanding of how typical gas production and processing facilities work, including the commonly used processes and equipment involved. This course will not provide in-depth coverage of fundamentals.

DESIGNED FOR:
Process/Facilities engineers with 5-10 years of experience, facilities engineering team leaders/supervisors, and senior facilities operational personnel.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Troubleshooting Oil Processing Facilities – PF490

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
29 March - 9 April, 2021

ENROLL

DISCIPLINE: Process Facilities

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

This course will cover how to establish and apply a general troubleshooting methodology as well as how to conduct process/equipment specific troubleshooting related to oil production and processing facilities. Definitions of good/normal performance will be discussed for each process/equipment type covered. Data gathering, validation and utilization procedures will be discussed. Criteria to use when evaluating possible problem solutions will also be covered. Real-world exercises will be utilized throughout the class to reinforce the learning objectives. Both onshore and offshore facilities will be discussed. It is assumed that course participants have a solid understanding of how typical oil production and processing facilities work, including the commonly used processes and equipment involved. This course will not provide in-depth coverage of fundamentals.

DESIGNED FOR:
Process/Facilities engineers with 5-10 years of experience, facilities engineering team leaders/supervisors, and senior facilities operational personnel.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Expanded Basic Petroleum Economics – BEC

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
22 February - 5 March, 2021
16 - 27 August, 2021

ENROLL

DISCIPLINE: Petroleum Business

LEVEL: Basic

DURATION: In the February virtual session, course hours will be 08:00-12:00 US Central Time (GMT -6:00) on Monday-Friday of each of the two weeks.

In the August virtual session, course hours will be 08:00-12:00 Western Australia Time (GMT +8:00) on Monday-Friday of each of the two weeks.

Could you answer the following three questions for your next project? What will it cost? What is it worth? Will it earn sufficient profit? Before undertaking any project, these questions should be answered. This course will provide the fundamentals necessary to enable you to do so. Budgeting and financing, accounting, and contractual arrangements, which also significantly impact the economic viability of a project, are covered.

DESIGNED FOR:
Managers, engineers, explorationists, field accounting supervisors and other personnel who need to develop or improve their skill and understanding of basic economic analysis and profitability of petroleum exploration and production.

TUITION:$3,890 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Managing and Leading Others – MLO

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
25 May - 3 June, 2021

ENROLL

DISCIPLINE: Petroleum Business

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

This course increases the confidence and productivity of leaders, supervisors and managers who may be scientific or technical specialists, but have minimal training in the science and art of leading others. Skills in human relations, communication, motivation, and leadership are essential tools for the supervisor and manager. This course provides techniques enabling leaders to efficiently use one of the greatest resources a company has, its people. This highly interactive learning program will assist you in expanding your options for leading others. You will explore different concepts of management and leadership and how to apply your new skills in real world applications.

DESIGNED FOR:
Production, reservoir and facilities engineers, and others involved in gas production, transportation, and storage including field supervisors.

TUITION: $2,995 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Managing Non-Technical Risks – MNTR

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
8-18 March, 2021
19 - 29 July, 2021

ENROLL

DISCIPLINE: Petroleum Business / Well Construction/Drilling / Project Management / Unconventional Resources

LEVEL: Basic

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

This course looks at both the internal and the external challenges that a company may face related to stakeholder engagement. On the external side, we look at current trends in western and non-western societies, we study key stakeholder groups, in particular those seen as 'difficult to deal with,' and then cover the practicalities of creating and maintaining effective relationships. However, a company will not be effective in its response to the external world if it is not well organized internally. Therefore, this course will also look at processes and tools to ensure internal alignment and cooperation with the aim to link external perspectives to business decision making.

DESIGNED FOR:
All oil and gas business professionals who are directly or indirectly involved in the management of non-technical risks. Specifically, managers with accountability for business delivery, that is, projects or operations; managers of technical and commercial teams that support projects or operations; and professionals in Health, Safety, Security & Social Responsibility; Government Relations; and Communications.

TUITION: $3,510 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Petroleum Risk and Decision Analysis – PRD

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
7 - 18 June, 2021
20 September - 1 October, 2021

ENROLL

DISCIPLINE: Petroleum Business

LEVEL: Foundation

DURATION: For the June virtual session, course hours will be 08:00-12:00 US Central Daylight Time (GMT - 5:00) Monday-Friday for each of the two weeks.

For the September virtual session, course hours will be 08:00-12:00 Western Australia Time (GMT +8:00).

Good technical and business decisions are based on competent analysis of project costs, benefits and risks. Participants learn the decision analysis process and foundation concepts so they can actively participate in multi-discipline evaluation teams. The focus is on designing and solving decision models. About half the problems relate to exploration. The methods apply to R&D, risk management, and all capital investment decisions. Probability distributions express professional judgments about risks and uncertainties and are carried through the calculations. Decision tree and influence diagrams provide clear communications and the basis for valuing each alternative. Monte Carlo simulation is experienced in detail in a hand-calculation exercise.

DESIGNED FOR:
Geologists, engineers, geophysicists, managers, team leaders, economists, and planners.

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Team Leadership – TLS

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered live by a PetroSkills instructor. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
14 - 17 June, 2021

ENROLL

DISCIPLINE: Petroleum Business

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday – Friday.

This program will develop and refine the skills essential for leading a high performance team. Emphasis is placed on the leader's role in effectively enhancing total team functionality and maximum team productivity. Individual communication styles will be assessed and examined to identify the most appropriate communication style to use with your team. This course has been constructed to maximize opportunity to improve both knowledge and practical skills in leading a team and being a team player.

DESIGNED FOR:
Team leaders, supervisors, managers, and others responsible for leading a team and interested in establishing and/or being a part of a highly productive team.

TUITION: $2,395 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Petroleum Project and Program Management Essentials – P3ME

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
29 November - 3 December, 2021

ENROLL

DISCIPLINE: Project Management

LEVEL: Foundation

DURATION: Course hours are 08:00-12:00 CDT (GMT - 5:00), Monday - Friday each week.

Petroleum companies often use projects to develop the skills of early career project professionals. This course covers the essential skills of petroleum project and program management and provides an opportunity to apply those skills to your project. You will be able to utilize fit-for-purpose prioritization techniques and control tools to facilitate successful outcomes. The specific training received in planning, scheduling and risk management will help the early career professional make the best decisions possible. Participants will learn how the project management, HSE, engineering, operations, maintenance, procurement/supply chain, and transportation disciplines relate to one another and what tools are available to ensure interfaces among key stakeholders are managed.

DESIGNED FOR:
Project managers and engineers, facility engineers, operations and maintenance representatives, schedulers, cost controllers, and purchasing personnel who plan, manage, or participate on multi-discipline teams. This course also addresses the essential requirements associated with managing programs whose timely completion is essential to the success of regional operations.

TUITION: $2,995 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL

Project Management for Engineering and Construction – FPM22

VIRTUAL, INSTRUCTOR-LED TRAINING

This course will be delivered virtually over a two week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates:
10 - 21 May, 2021
11 - 22 October, 2021

ENROLL

DISCIPLINE: Project Management

LEVEL: Intermediate

DURATION: For the May virtual session, class hours will be 08:00-12:00 US Central time (GMT -5:00) Monday-Friday each week.

For the October virtual session, class hours will be 08:00-12:00 Western Australia time (GMT +8:00) Monday-Friday each week.

Many petroleum projects fail to meet their authorized cost, schedule or operability targets. To be successful, today's project leader needs a comprehensive set of technical, business and interpersonal skills. This course addresses those critical skills. Seasoned instructors tackle the issues and challenges found in concept selection, development planning, facility design, procurement, and construction activities.

DESIGNED FOR:
Project managers, facility engineers, construction representatives, schedulers, cost controllers, operations personnel, and supply chain specialists including team leaders and others who participate on or consult with multi-discipline development teams. This course is also suitable for business development, finance and land specialists as well as other non-engineering personnel who would benefit from an understanding of oil and gas project management.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT
PETROSKILLS.COM/VIRTUAL