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- Managing and Leading Others – MLO
- Managing Non-Technical Risks – MNTR
- Petroleum Risk and Decision Analysis – PRD
- Team Leadership – TLS

## PROJECT MANAGEMENT
- Petroleum Project and Program Management Essentials – P3ME
- Project Management for Engineering and Construction – FPM22
3D Seismic Attributes for Reservoir Characterization – SARC

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

For More Information, Visit Petroskills.com/Virtual

VIRTUAL, INSTRUCTOR-LED TRAINING

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

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

For More Information, Visit Petroskills.com/Virtual

VIRTUAL, INSTRUCTOR-LED TRAINING

Acidizing Applications in Sandstones and Carbonates – ASC

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

For More Information, Visit Petroskills.com/Virtual

VIRTUAL, INSTRUCTOR-LED TRAINING

Advanced Hydraulic Fracturing – AHF

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

For More Information, Visit Petroskills.com/Virtual

VIRTUAL, INSTRUCTOR-LED TRAINING

Applied Reservoir Engineering – RE

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

For More Information, Visit Petroskills.com/Virtual

VIRTUAL, INSTRUCTOR-LED TRAINING

Basic Drilling Technology – BDT

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

Course Dates: 15 March - 6 August, 2021

ENROLL

For More Information, Visit Petroskills.com/Virtual

VIRTUAL, INSTRUCTOR-LED TRAINING

Basic Drilling Technology – BDT

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

Course Dates: 15 March - 6 August, 2021

ENROLL

For More Information, Visit Petroskills.com/Virtual

VIRTUAL, INSTRUCTOR-LED TRAINING

Basic Drilling Technology – BDT

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

Course Dates: 15 March - 6 August, 2021

ENROLL

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Basic Drilling Technology – BDT

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

Course Dates: 15 March - 6 August, 2021

ENROLL

For More Information, Visit Petroskills.com/Virtual

VIRTUAL, INSTRUCTOR-LED TRAINING

Basic Drilling Technology – BDT

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

Course Dates: 15 March - 6 August, 2021

ENROLL

For More Information, Visit Petroskills.com/Virtual

VIRTUAL, INSTRUCTOR-LED TRAINING

Basic Drilling Technology – BDT

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

Course Dates: 15 March - 6 August, 2021

ENROLL

For More Information, Visit Petroskills.com/Virtual

VIRTUAL, INSTRUCTOR-LED TRAINING
Basic Drilling, Completion and Workover Operations – BDC

**Virtual, Instructor-Led Training**

This workshop will be delivered virtually through PetroAcademy.

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

**Tuition:** $3,890 USD

For more information, visit petroskills.com/virtual

Basic Geophysics – BGP

**Virtual, Instructor-Led Training**

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

This course provides an overview of seismic data and its applications. Participants will learn to understand and use the language of the oilfield.

**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.

**Course Dates:**
- 10 - 21 May, 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 provides an overview of reservoir management and completion practices for engineers, geoscientists, petrophysicists, and reservoir engineers.

**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.

**Course Dates:**
- 25 April - 7 May, 2021

**Enroll**

**Discipline:** Multi-Discipline

**Level:** Basic

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

This course focuses on the application of technology to determine and optimize performance. Participants will understand how and why various global oil and gas technologies can be used to maximize recovery.

**Tuition:** $3,890 USD

For more information, visit petroskills.com/virtual

Basic Reservoir Engineering – BR

**Virtual, Instructor-Led Training**

This course is available virtually, instructor-led and blended delivery.

**Course Dates:**
- 15 March - 14 May, 2021 Blended Delivery
- 12 - 23 July, 2021
- 23 August - 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).

This course provides an introduction to basic concepts of reservoir engineering that are applicable to oil and gas reservoirs, from fluid and rock characteristics through production evaluation and development. Participants will learn to understand and use technology to determine and optimize production.

**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.

**Course Dates:**
- 19 - 29 October, 2021

**Enroll**

**Discipline:** Reservoir Engineering / Petrophysics

**Level:** Intermediate

**Duration:** For the Virtual session, course hours will be 08:00-12:00 Eastern Australian time (GMT +8:00) on Monday, Wednesday, and Friday over the two week class period.

This course provides detailed knowledge of how capillarity affects hydrocarbon distribution in a reservoir rock, and how the magnitude of this effect can be used to deduce valuable information about rock properties including porosity, permeability, and drainage properties. Several in-class exercises reinforce the course learning and provide students with experience using capillary pressure data for reservoir characterization.

**Tuition:** $3,055 USD

For more information, visit petroskills.com/virtual

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This course presents the basics of drilling and completion operations, plus post-completion enhancement (workovers). Participants will learn how to influence 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, support, service, and supervisory personnel desiring to gain an awareness of wellbore operations. Excellent for oil and gas professional from varying 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
Casing Design Workshop – CDW

TUITION: $3,990 USD

Course Dates: 26 October - 18 November, 2021

BLENDED DELIVERY

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.

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 environment of drilling engineers involved in the design, planning, and execution of the well intervention component’s design.

This course covers the surface and pressure control equipment, the borehole assembly components (casing affecting tools), the string manufacturing and operational limits, the interventions performed with coiled tubing (CT) and multilateral drilling (MD) technologies, including coiled tubing operations (CTO) and vertical/oblique drilling, and how to deal with fatigue and corrosion. Overhead equipment and calculations required for cost / temperature and constrained nitrogen interventions are also covered.

DESIGNED FOR: Engineers, drilling engineers, coiled tubing engineers, and technical managers responsible for casing design and/or reviewing the casing design for the last 25 years. Participants should have at least 1 year of drilling-related experience AEU, as well as those working in the field or by design.

Tuition: $3,990 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

TUITION: $4,390 USD

FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL

Completions & Workovers – CAW

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

TUITION: $3,990 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: 6–16 March, 2021

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 virtually over a two-week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates: 3 – 14 May, 2021

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

TUITION: $3,990 USD

FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL
Levels of petroleum exploration and production significantly impact the economic viability of a undertaking any project, these questions should worth? Will it earn sufficient profit? Before Could you answer the following three questions

### Expanded Basic Petroleum Economics – BEC

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

**Course Dates:**

- 22 February – 5 March, 2021
- 19 – 22 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, financing, accounting, and contractual arrangements, which significantly impact the economic viability of a project, are covered.

**Tuition:** $3,890 USD

For more information, visit PETROSKILLS.COM/VIRTUAL

### Gas Production Engineering – GPO

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

**Course Dates:**

- 16 – 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 regimes 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.

**Tuition:** $4,090 USD

For more information, visit PETROSKILLS.COM/VIRTUAL

### Gas Reservoir Management – GRM

**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
- 21 June – 2 July, 2021

**ENROLL**

**DISCIPLINE:** Reservoir Engineering

**LEVEL:** Specialized

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

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.

**Tuition:** $4,190 USD

For more information, visit PETROSKILLS.COM/VIRTUAL

### Geochemistry: Tools for Effective Exploration and Development – MGT

**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
- 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 data, map organic-face 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 geochemo, geological, and engineering data to identify reservoir compartmentalization, allocate commodity production, identify compartmental 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 lateral fractures with multi-fracture hydraulic fracturing treatments by the induced fractures and (iii) Identification of cross talk between wells completed in adjacent formations.

**Tuition:** $4,990 USD

For more information, visit PETROSKILLS.COM/VIRTUAL

### Geochemistry: Tools for Effective Exploration and Development – MGT

**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 May, 2021
- 16 – 27 May, 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 data, map organic-face 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 geochemo, geological, and engineering data to identify reservoir compartmentalization, allocate commodity production, identify compartmental 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 lateral fractures with multi-fracture hydraulic fracturing treatments by the induced fractures and (iii) Identification of cross talk between wells completed in adjacent formations.

**Tuition:** $4,990 USD

For more information, visit PETROSKILLS.COM/VIRTUAL

### History Matching and Reservoir Optimization – HMRO

**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
- 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, 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.

**Tuition:** $4,990 USD

For more information, visit PETROSKILLS.COM/VIRTUAL

### Hydraulic Fracturing Applications – HFU

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

**Course Dates:**

- 7 – 18 June, 2021
- 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. Facilitating technology benefits and limitations in all types of sandstone and carbonate reservoirs will be explained. It considers the critical components of the fracturing process, and it explores the steps and data 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.

**Tuition:** $4,090 USD

For more information, visit PETROSKILLS.COM/VIRTUAL

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For more information, visit PETROSKILLS.COM/VIRTUAL
Managing Non-Technical Risks – MNTR

Course Dates: 8 - 18 March, 2021

DISCIPLINE: Petroleum Business / Well Optimization / 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 practicabilities of creating and maintaining effective relationships. A company will be most effective in its response to the external world if it is well organized internally. Therefore, this course will also look at processes and tools to ensure internal alignment and cooperation with the aim to take the 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 and Government Relations; and Communications.

TUITION: $3,510 USD

FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL

Managing and Leading Others – MLO

Course Dates: 25 May - 3 June, 2021

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 also 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 leadership. You will explore different concepts of management and leadership and how to apply your new skills in real world applications.

DESIGNED FOR:
Leaders, supervisors and managers.

TUITION: $2,995 USD

FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL

Nodal Analysis Workshop – NAW3

BLENDED DELIVERY

This course will be delivered virtually over a two week period, with an additional virtual classroom led by an expert Petroskills instructor.

Course Dates: 2 - 17 September, 2021

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 to the well's life to maximize value - from the beginning of the completion design process through understanding well diagnostics. This workshop provides a comprehensive overview of this analysis technique, and teaches real world application through multiple problems from different perspectives.

DESIGNED FOR:
Engineers and technical managers responsible for performing or reviewing well systems analysis from at least one perspective (operating design, surveillance, optimization, 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

BLENDED DELIVERY

This course will be delivered virtually over a two week period, with an additional virtual classroom led by an expert Petroskills instructor.

Course Dates: 29 November - 3 December, 2021

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 a 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 project professional make the best decisions possible. Participants will learn how the project management, HSE, engineering, acquisition, transportation, and procurement/supply chain, and transportation disciplines relate to one another and the tools 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

BLENDED DELIVERY

This course will be delivered virtually through PetroSkills, providing participants with the knowledge they need to take action.

Course Dates: 7 - 16 June, 2021

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 Australian 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 decision teams. The focus is on designing and solving decision models. About half the course is spent designing and solving decision models. About half the course is spent solving decision models. About half the course is spent designing and solving decision models. About half the course is spent solving decision models. About half the course is spent designing and solving decision models. About half the course is spent solving decision models. About half the course is spent designing and solving decision models.

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 PetroSkills, providing participants with the knowledge they need to take action.

Course Dates: 12 April – 28 May, 2021

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 performance of the well or the reservoir. Special purpose production logging instruments can evaluate the well's completions or look behind the pipe to evaluate the formation and its fluids in the near-well bore vicinity. Production logs are an essential role in modern reservoir management by providing the only means of identifying downward fluid movement. This course will cover single-phase and multi-phase fluid flow in pipes, the theoretical bases of production logging techniques, productivity log interpretations, and operational complications in acquiring production logs. Nodal flow field equations are used to illustrate the principles of production interpretation.

DESIGNED FOR:
Production and drilling engineers and managers, reservoir engineers, sub-surface engineers, production engineers, reservoir engineers, geophysicists, log analysts, and anyone interested in interpreting production logs and cased-hole surveys.

TUITION: $4,090 USD

FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL
Production Operations 1 – PO1

**DISCIPLINE:** Production and Completions Engineering  
**LEVEL:** Foundation  
**DURATION:** 3 - 14 May, 2021, 22 March - 18 June, 2021, 7 September - 3 December, 2021  
**TUITION:** $3,990 USD  
**DISCLAIMER:** This course is available in virtual, instructor-led or blended delivery formats.  
**DURATION:** This course will be delivered virtually over a two-week period. 
**TUITION:** $3,990 USD  
**ENROLL**

**VIRTUAL, INSTRUCTOR-LED TRAINING**

This course is available virtually on-demand.

**Course Dates:**
- 22 March - 18 June, 2021
- 7 September - 3 December, 2021

**Course Delivery:**
- BLENDED DELIVERY: Available On-Demand
- VIRTUAL, INSTRUCTOR-LED TRAINING
- VIRTUAL, INSTRUCTOR-LED TRAINING

**TARGET AUDIENCE:**
- Early career project managers, leads, engineers, and services personnel who are on field development project teams. This includes operations and facility engineers, construction representatives, schedulers, cost controllers, and data technicians.
- Early career project managers, leads, engineers, and services personnel who are on field development project teams. This includes operations and facility engineers, construction representatives, schedulers, cost controllers, and data technicians.

**TUITION:** $3,990 USD  
**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

Production Technology for Other Disciplines – PTO

**DISCIPLINE:** Production and Completions Engineering  
**LEVEL:** Intermediate  
**DURATION:** 3 - 14 May, 2021, 22 March - 18 June, 2021, 7 September - 3 December, 2021  
**TUITION:** $2,995 USD  
**DISCLAIMER:** This course is available in virtual, instructor-led or blended delivery formats.  
**DURATION:** This course will be delivered virtually over a two-week period. 
**TUITION:** $2,995 USD  
**ENROLL**

**VIRTUAL, INSTRUCTOR-LED TRAINING**

This course is available virtually on-demand.

**Course Dates:**
- 22 March - 18 June, 2021
- 7 September - 3 December, 2021

**Course Delivery:**
- BLENDED DELIVERY: Available On-Demand
- VIRTUAL, INSTRUCTOR-LED TRAINING
- VIRTUAL, INSTRUCTOR-LED TRAINING

**TARGET AUDIENCE:**
- Early career project managers, leads, engineers, and services personnel who are on field development project teams. This includes operations and facility engineers, construction representatives, schedulers, cost controllers, and data technicians.
- Early career project managers, leads, engineers, and services personnel who are on field development project teams. This includes operations and facility engineers, construction representatives, schedulers, cost controllers, and data technicians.

**TUITION:** $2,995 USD  
**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

Project Management for Engineering and Construction – FPM2

**DISCIPLINE:** Project Management  
**LEVEL:** Intermediate  
**DURATION:** 22 - 26 March, 2021  
**TUITION:** $4,090 USD  
**DISCLAIMER:** This course is available in virtual, instructor-led or blended delivery formats.  
**DURATION:** This course will be delivered virtually over a two-week period. 
**TUITION:** $4,090 USD  
**ENROLL**

**VIRTUAL, INSTRUCTOR-LED TRAINING**

This course is available virtually on-demand.

**Course Dates:**
- 22 - 26 March, 2021

**Course Delivery:**
- BLENDED DELIVERY: Available On-Demand
- VIRTUAL, INSTRUCTOR-LED TRAINING
- VIRTUAL, INSTRUCTOR-LED TRAINING

**TARGET AUDIENCE:**
- Early career project managers, leads, engineers, and services personnel who are on field development project teams. This includes operations and facility engineers, construction representatives, schedulers, cost controllers, and data technicians.

**TUITION:** $4,090 USD  
**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

Project Management in Upstream Field Development – FPM2

**DISCIPLINE:** Project Management / Unconventional Resources  
**LEVEL:** Intermediate  
**DURATION:** Course hours are 08:00-12:00 GMT (GMT -5:00) Monday – Friday.  
**TUITION:** $4,090 USD  
**DISCLAIMER:** This course is available in virtual, instructor-led or blended delivery formats.  
**DURATION:** This course will be delivered virtually over a two-week period. 
**TUITION:** $4,090 USD  
**ENROLL**

**VIRTUAL, INSTRUCTOR-LED TRAINING**

This course is available virtually on-demand.

**Course Dates:**
- 22 - 26 March, 2021

**Course Delivery:**
- BLENDED DELIVERY: Available On-Demand
- VIRTUAL, INSTRUCTOR-LED TRAINING
- VIRTUAL, INSTRUCTOR-LED TRAINING

**TARGET AUDIENCE:**
- Early career project managers, leads, engineers, and services personnel who are on field development project teams. This includes operations and facility engineers, construction representatives, schedulers, cost controllers, and data technicians.

**TUITION:** $4,090 USD  
**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

Reservoir Characterization: A Multi-Disciplinary Team Approach – RC

**DISCIPLINE:** Reservoir Engineering  
**LEVEL:** Foundation  
**DURATION:** Course hours are 08:00-12:00 GMT (GMT -5:00) Monday – Friday.  
**TUITION:** $4,090 USD  
**DISCLAIMER:** This course is available in virtual, instructor-led or blended delivery formats.  
**DURATION:** This course will be delivered virtually over a two-week period. 
**TUITION:** $4,090 USD  
**ENROLL**

**VIRTUAL, INSTRUCTOR-LED TRAINING**

This course is available virtually on-demand.

**Course Dates:**
- 12 - 23 April, 2021

**Course Delivery:**
- BLENDED DELIVERY: Available On-Demand
- VIRTUAL, INSTRUCTOR-LED TRAINING
- VIRTUAL, INSTRUCTOR-LED TRAINING

**TARGET AUDIENCE:**
- Early career project managers, leads, engineers, and services personnel who are on field development project teams. This includes operations and facility engineers, construction representatives, schedulers, cost controllers, and data technicians.

**TUITION:** $4,090 USD  
**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

Reservoir Engineering for Other Disciplines – REO

**DISCIPLINE:** Reservoir Engineering  
**LEVEL:** Intermediate  
**DURATION:** Course hours are 08:00-12:00 GMT (GMT -5:00) Monday – Friday.  
**TUITION:** $4,090 USD  
**DISCLAIMER:** This course is available in virtual, instructor-led or blended delivery formats.  
**DURATION:** This course will be delivered virtually over a two-week period. 
**TUITION:** $4,090 USD  
**ENROLL**

**VIRTUAL, INSTRUCTOR-LED TRAINING**

This course is available virtually on-demand.

**Course Dates:**
- 12 - 23 April, 2021

**Course Delivery:**
- BLENDED DELIVERY: Available On-Demand
- VIRTUAL, INSTRUCTOR-LED TRAINING
- VIRTUAL, INSTRUCTOR-LED TRAINING

**TARGET AUDIENCE:**
- Early career project managers, leads, engineers, and services personnel who are on field development project teams. This includes operations and facility engineers, construction representatives, schedulers, cost controllers, and data technicians.

**TUITION:** $4,090 USD  
**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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Reservoir Management – RM
This course will be delivered virtually over a two week period.

**Course Dates:** 15 - 26 March, 2021

**LEVEL:** Intermediate

**DISCIPLINE:** Reservoir Engineering - Unconventional Resources

**TUITION:** $3,490 USD

For more information, visit petroskills.com/virtual

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Seismic Interpretation – SIL
This course will be delivered virtually over a two week period.

**Course Dates:** 15 - 26 March, 2021

**DISCIPLINE:** Geophysics

**LEVEL:** Foundation

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

**TUITION:** $3,990 USD

For more information, visit petroskills.com/virtual

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Surface Production Operations – PO3
This course will be delivered virtually over a two week period.

**Course Dates:** 16 - 27 August, 2021

**DISCIPLINE:** Production and Completions Engineering

**LEVEL:** Basic

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

**TUITION:** $3,990 USD

For more information, visit petroskills.com/virtual

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

**Course Dates:** 14 - 17 June, 2021

**DISCIPLINE:** Petroleum Business Engineering

**LEVEL:** Foundation

**DURATION:** Course hours are 08:00-12:00 CST (GMT - 5:00), Monday – Friday each week of the course.

**TUITION:** $2,395 USD

For more information, visit petroskills.com/virtual

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Waterflooding A to Z – WF
This course will be delivered virtually through PetroAcademy providing participants with the knowledge they need at their convenience.

**Course Dates:** 10 - 17 May, 2021

**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.

**TUITION:** $3,195 USD

For more information, visit petroskills.com/virtual

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Reservoir Management for Unconventional Reservoirs – RMUR
This course will be delivered virtually over a two week period.

**Course Dates:** 26 April - 7 May, 2021

**LENGTH:** Intermediate

**DISCIPLINE:** Reservoir Engineering / Unconventional Resources

**TUITION:** $3,490 USD

For more information, visit petroskills.com/virtual

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Virtual, Instructor-led Training
This course is designed for reservoir, production, and operations engineers, geologists, geophysicists, managers, experienced technicians, and service company personnel responsible for improving the performance of petroleum reservoirs.

**Course Dates:** 15 - 26 March, 2021

**TUITION:** $3,490 USD

For more information, visit petroskills.com/virtual

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Virtual, Instructor-led Training
This course is designed for reservoir, production, and operations engineers, geologists, geophysicists, managers, experienced technicians, and service company personnel responsible for improving the performance of petroleum reservoirs.

**Course Dates:** 26 April - 7 May, 2021

**TUITION:** $3,490 USD

For more information, visit petroskills.com/virtual

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Virtual, Instructor-led Training
This course is designed for reservoir, production, and operations engineers, geologists, geophysicists, managers, experienced technicians, and service company personnel responsible for improving the performance of petroleum reservoirs.

**Course Dates:** 15 - 26 March, 2021

**TUITION:** $3,490 USD

For more information, visit petroskills.com/virtual

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Virtual, Instructor-led Training
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**Course Dates:** 15 - 26 March, 2021

**TUITION:** $3,490 USD

For more information, visit petroskills.com/virtual

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Virtual, Instructor-led Training
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**Course Dates:** 15 - 26 March, 2021

**TUITION:** $3,490 USD

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**TUITION:** $3,490 USD

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**TUITION:** $3,490 USD

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**Course Dates:** 15 - 26 March, 2021

**TUITION:** $3,490 USD

For more information, visit petroskills.com/virtual

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Virtual, Instructor-led Training
This course is designed for reservoir, production, and operations engineers, geologists, geophysicists, managers, experienced technicians, and service company personnel responsible for improving the performance of petroleum reservoirs.

**Course Dates:** 15 - 26 March, 2021

**TUITION:** $3,490 USD

For more information, visit petroskills.com/virtual
**Well Log Interpretation**

- **DISCIPLINE:** Petrophysics
- **LEVEL:** Foundation
- **DURATION:** Course Dates: 14 - 25 June, 2021

**Subsurface Courses - Available On-Demand**
- **Applied Reservoir Engineering - BE**
- **Basic Drilling, Completions, and Workover Operations - BDC**
- **Basic Geophysics - BGP**
- **Basic Petroleum Geology - BPG**
- **Basic Petroleum Technology Principles - BPTP**
- **Basic Reservoir Engineering - BE**
- **Completion & Workovers - C&W**
- **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**

**TUITION:** $3,990 USD

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**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**
- **Basic Petroleum Engineering Practices - BE**
- **Basic Petroleum Technology - BPT**
- **Applied Reservoir Engineering - BE**
- **Basic Drilling, Completions, and Workover Operations - BDC**
- **Basic Geophysics - BGP**
- **Basic Petroleum Geology - BPG**
- **Basic Petroleum Technology Principles - BPTP**
- **Basic Reservoir Engineering - BE**
- **Completion & Workovers - C&W**
- **Foundations of Petrophysics - FPP**
- **Production Logging - RMP**
- **Production Operations 1 - PO1**
- **Production Technology for Other Disciplines - PTO**
- **Reservoir Engineering for Other Disciplines - REO**

**TUITION:** $3,890 USD

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**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**

**DISCIPLINE:** Multi-Discipline / Unconventional Resources
- **LEVEL:** Basic
- **DURATION:** Course hours will be 08:00-12:00 US Central time (GMT-6).

**TUITION:** $3,890 USD

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**Compressor Systems - Mechanical Design and Specification**

This course provides the participant with an understanding of basic petroleum technology in the context of the Petroleum Value Chain and Asset Management, from oil and gas fields to well abandonment. Unconventional shale (light 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 optimise the economic value of an oil and gas field. This enables the participant to maximise their own 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?

**DISCIPLINE:** Mechanical Engineering
- **LEVEL:** Specialized
- **DURATION:** Course hours are 08:00-12:00 CST (GMT - 6:00), Monday - Friday each week.

**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:** 17 - 28 October, 2021

**Enroll**

** Discipline:** Mechanical Engineering / Processes Facilities

**Level:** Foundation

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

In the May virtual session, course hours will be 08:00 - 12:00 Australian Central Standard Time (GMT +00:00) 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 corrosion complex, 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 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

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**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:** 17 - 28 October, 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 -5:00) 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) Monday-Friday of each of the two weeks.

**Could you answer the following three questions for your next project? Will it work? Will it be profitable? Could you answer the following three questions for your next project? Will it work? Will it be profitable?**

**Designed for:** Managers, engineers, explorationists, field supervisors and other personnel who would benefit from an operations bootcamp.

**Tuition:** $3,890 USD

**For More Information, Visit** petroskills.com/virtual

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**Fractionation Operations for Early-Career Engineers** – SIM FOE

**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:** 17 - 28 October, 2021

**Enroll**

**Discipline:** Operations & Maintenance

**Level:** Foundation

**Duration:** 2-day virtual classroom.

This interactive 2-day course combines elements of high liability, process simulations as well as a skilled-driven learning model centered around the WFDO Methodology. The course allows early-career engineers an opportunity to explore why some operators fail. In this course, trainees will have access to their own generic simulation units including a Heat Exchanger, Flash Drum, and Fractionator 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. Lower operations that promote separation units are covered. The material of the course is applicable to production facilities, pipelines, gas plants, and offshore systems.

**Designed for:** Engineers, senior technicians, and system operators designing, operating, and maintaining fractionating pumps and compressor systems in oil and gas facilities.

**Tuition:** $4,090 USD

**For More Information, Visit** petroskills.com/virtual

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**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:** 17 - 28 October, 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

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**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 - 22 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 6-4 program, considered by many to be the most practical and comprehensive course in the oil and gas industry. The Campbell Gas Course textbooks, Volumes I-IV, 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, 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

**DISCIPLINE:** Gas Processing

**LEVEL:** Foundation

**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 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

**Tuition:** $9,115 USD

**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 front sulfur compound handling and the importance of NOx/CO2 ratio, are covered as well. Related topics reviewed during the course include liquid product treating, corrosion, materials selection, and MEC requirements.

**DESIGNED FOR:**
- Process engineers involved with natural gas treating and sulfur recovery, requiring an understanding of the fundamentals of these processes.
- The course is for facility engineers, process engineers, operations personnel, and site supervisors, as well as others who select, design, install, evaluate, and operate gas sweetening and sulfur recovery facilities.

**Tuition:** $4,180 USD

Gas Treating and Sulfur Recovery - G6

**DISCIPLINE:** Gas Processing

**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, control, and control valve 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 the 2-week course, ICE-21, but at a more conceptual level. This course is not a prerequisite for taking ICE-3 or IC-3, but rather a complement for those that are not able to take both ICE-3 and IC-3.

**Tuition:** $3,890 USD

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

**DISCIPLINE:** Instrumentation, Controls & Electrical Systems

**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 commercial 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 included 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.

**Tuition:** $3,890 USD

LNG Short Course: Technology and the LNG Chain - G29

**DISCIPLINE:** Process Facilities

**LEVEL:** Foundation

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

The emphasis of this course is on oil production facilities - from the wellhead, to the delivery of a customized 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 asphaltites, etc. Exercises requiring calculations are utilized throughout the course. The course is intended to complement the C-4 Gas Conditioning and Processing course, focused on the gas handling side of the upstream oil and gas facilities area.

**Tuition:** $3,990 USD

Oil Production and Processing Facilities - PF4

**DISCIPLINE:** Electrical Systems Overview for Process Facilities

**LEVEL:** Basic

**DURATION:** Course hours are 08:00-12:00 CST (GMT - 6:00), 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. This course provides an overview of field development concepts and explains how crucial offshore structure and facility design 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, cows, 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.

**Tuition:** $8,990 USD

Overview of Offshore Systems - OS21

**DISCIPLINE:** Offshore & Subsea Systems

**LEVEL:** Basic

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

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

**Course Dates:**
16 August – 3 September, 2021

**Tuition:** $3,890 USD
**Petroleum Project and Program Management Essentials** – P3ME

**Virtual, Instructor-led Training**

This course will be delivered virtually over a two-week period.

**Course Dates:**
- 29 November - 3 December, 2021
- 28 September - 1 October, 2021

**TUITION:** $2,995 USD

**LEVEL:** Foundation

**DISCIPLINE:** Project Management

**DURATION:** Course hours are 08:00-12:00 GMT (GMT +8:00), Monday - Friday each week.

This Petroleum company often uses 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 controls 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 gain 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.

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**Petroleum Risk and Decision Analysis** – PRD

**Virtual, Instructor-led Training**

This course will be delivered virtually over a two week period.

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

**TUITION:** $2,995 USD

**LEVEL:** Foundation

**DISCIPLINE:** Petroleum Business

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

For the September virtual session, course hours will be 08:30-12:30 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 multidisciplinary 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. Probabilistic distributions express professional judgments about risks and uncertainties and are calculated through the calculations. Decision free and influence diagrams provide clear communications and the basis for valuing each alternative. Monte Carlo simulation is emphasized in detail in a hands-on calculation exercise.

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**Piping Systems - Mechanical Design and Specification** – ME41

**Virtual, Instructor-led Training**

This course will be delivered virtually over a two-week period.

**Course Dates:**
- 1 - 12 March, 2021

**TUITION:** $4,990 USD

**LEVEL:** Intermediate

**DISCIPLINE:** Mechanical Engineering / Process Facilities

**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 manufacturing, piping components, and piping layout and design. Applicable piping codes (for oil and gas facilities (ISO, ASME, API, 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.

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**Process Safety Engineering Fundamentals** – PSF

**Blended Delivery**

Approximately 40 hours of self-paced work.

**Course Dates:**
- 29 March - 21 May, 2021
- 28 September - 19 November, 2021

**Available On-Demand**

**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 of 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.

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**Project Management for Engineering and Construction** – FPM22

**Virtual, Instructor-led Training**

This course will be delivered virtually over a two-week period.

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

**TUITION:** $4,990 USD

**LEVEL:** Intermediate

**DISCIPLINE:** Project Management

**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 08:00-12:30 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.

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**Relief and Flare Systems** – PF44

**Virtual, Instructor-led Training**

This course will be delivered virtually over a two-week period.

**Course Dates:**
- 29 March - 9 April, 2021

**TUITION:** $4,990 USD

**LEVEL:** Intermediate

**DISCIPLINE:** Process Facilities

**DURATION:** Course hours are 08:00-12:00 GMT (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 offshore 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.

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**Disclosure:**

- **For more information, visit PetroSkills.com/Virtual**
- **For more information, visit PetroSkills.com/Training**
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

DISCIPLINE: Petroleum Business

LEVEL: Foundation

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

This course introduces process safety management in the oil and gas industry, the fundamentals 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: 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.

TUTION: $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

DISCIPLINE: Petroleum Business

LEVEL: Foundation

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

TUTION: $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 two-week period. Experience a virtual classroom led by an expert PetroSkills instructor.

Course Dates: 12 - 23 April, 2021

DISCIPLINE: Pipeline Engineering

LEVEL: Foundation

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

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 design and equipment, 2) tank design and equipment, 3) types of storage and selection of ferri, 4) design considerations for loading racks, fire protection, vapor recovery, blending equipment, and water treatment, 5) detailed design of storage tanks, vessels, and conveyors, 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 hydrogenation liquids, NGLs, and petrochemical feedstocks.

TUTION: $3,990 USD

FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL

Troubleshooting Gas Processing Facilities – FF49G

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

DISCIPLINE: Gas Processing

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CST (GMT - 6:00), 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 and processing facilities. Definitions of normal functioning, performance, and failure 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.

TUTION: $4,090 USD

FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL

Troubleshooting Oil Processing Facilities – FF49O

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

DISCIPLINE: Process Facilities

LEVEL: Intermediate

DURATION: Course hours are 08:00-12:00 CST (GMT - 6:00), 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 normal functioning, performance, and failure 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.

TUTION: $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

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 forecasting, accounting, and contractual arrangements, which also significantly impact the economic viability of a project, are covered.

DESIGNED FOR: Managers, engineers, explorations, 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.

TUTION: $3,890 USD

FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL
**Managing and Leading Others – MLO**

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

**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, managers and others 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 effectively use one of the greatest resources a company has: its people. This highly interactive training 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 applicabilities.

**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:** $2,995 USD

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**Managing Non-Technical Risks – MNTR**

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

**DISCIPLINE:** Petroleum Business

**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 enabling 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 also looks at processes and tools to ensure internal alignment and cooperation with the goal of providing a holistic perspective 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**

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**Petroleum Risk and Decision Analysis – PRD**

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

**Course Dates:** 7 – 16 June, 2021

**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.

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 opportunities 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**

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**Team Leadership – TLS**

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

**Course Dates:** 14 – 17 June, 2021

**DISCIPLINE:** Petroleum Business

**LEVEL:** Foundation

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

This course will also look at processes and tools to ensure internal alignment and cooperation with the goal of providing a holistic perspective to business decision making.

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

**TUITION:** $3,990 USD

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**Petroleum Project and Program Management Essentials – PRM1**

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

**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 apply new methods, tools, and competitive project 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.

**DESIGNED FOR:** Project managers, engineers, operations and maintenance representatives, schedulers, cost controllers, and purchasing personnel who are involved in project or program management of multi-discipline teams.

**TUITION:** $4,090 USD

**FOR MORE INFORMATION, VISIT PETROSKILLS.COM/VIRTUAL**

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**Petroleum Project and Program Management Essentials – PRM2**

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

**DISCIPLINE:** Project Management

**LEVEL:** Intermediate

**DURATION:** For the May 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, construction, and construction shutdown.

**DESIGNED FOR:** Project management, engineering decision makers, construction representatives, ‘schedulers, cost controllers, operators, project personnel, and upstream stakeholders including team leaders and others who participate on or co-own with multi-discipline development teams. This course is also valuable for business development, finance and tax 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**