



## Completions and Workovers - CAW

### COURSE

#### About the Course

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.

In addition to the classroom and virtual format, this course is also available in a blended format, incorporating online learning with virtual, instructor-led sessions via PetroAcademy Blended Learning. Participants can participate in real time, or on-demand. [See details here](#)

*"A course with a high potential to apply its knowledge on the job."* - Drilling Engineer, Spain

*"Mucho conocimiento por parte del instructor claro con sus explicaciones y uno bueno metodología."* - Petroleum Engineer, Bogota

*"Instructor was excellent, I have been to several courses over the years and I found him to be one of the best both in terms of technical/ theoretical knowledge as well as course delivery. His wealth of knowledge and experiences have definitely been evident throughout the course."* - Engineer, Australia

#### Target Audience

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

#### You Will Learn

Participants will learn how to:

- Develop a high level completion strategy for wells in a variety of situations
- Select tubing, packers, and completion flow control equipment
- Appraise/design a suitable flow barrier strategy
- Identify key design considerations for vertical and inclined wells, horizontal, multilateral, HPHT, and unconventional resource wells

- Select an appropriate intervention strategy/equipment
- Identify key features/applicability of the main sand control and well stimulation options
- Assess/specify concerns/remedial measures for formation damage/skin removal
- Develop outline overall strategies for completion and workover programs

## Course Content

- Basic well completion design, practices, and strategies
- Well quality and integrity
- Safety aspects of well design
- Wellheads, trees, subsurface safety valves, and flow control equipment
- Material selection guidelines based on corrosion and erosion conditions
- The basic interpretation of inflow and tubing performance to aid tubing size selection
- Tubing design and selection
- Considerations for designing deviated horizontal, multilateral, and multi zone reservoir completions
- Basic completion principles and considerations for subsea, HPHT, and unconventional wells
- Perforating job selection and design
- Formation damage mechanisms and their remediation
- Stimulation design considerations
- Sand control options and their selection
- Wireline, coiled tubing, and hydraulic workover rig operations
- Snubbing

## Product Details

Categories: [Upstream](#)

Disciplines: [Production and Completions Engineering](#) [Unconventional Resources](#)

Levels: [Foundation](#)

Product Type: [Course](#)

Formats Available: [In-Classroom](#) [Virtual](#)

Instructors: [Hector Vargas](#) [Dan Gibson](#) [Mason Gomez](#) [Manickavasakan Nadar](#) [PetroSkills](#)

[Specialist](#) [P. Travis](#)

## In-Classroom Format

30 Sep '24 4 Oct '24 - | Course | In-Classroom (in Dubai)

\$6,410.00

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| 11 Nov '24 | 15 Nov '24 | -   Course   In-Classroom (in Houston) | \$5,180.00 |
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| 18 Nov '24 | 22 Nov '24 | -   Course   In-Classroom (in London) | \$5,995.00 |
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