



Project Management for Engineering and Construction - FPM22

COURSE

About the Course

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. The specific training received in schedule and cost management, risk mitigation, and the proper use of scarce resources (people and materials) will help you make better decisions.

Upon completion, you will know how to:

- Improve engineering and service discipline work relations
- Use execution plans to integrate the work
- Effectively employ cost and schedule control tools

This course is taught using a combination of instruction, facilitated discussion, and in-depth exercises based on the instructor's petroleum development successes and failures.

"Liked everything about the course." - Research Tech, United States

"Great facilitator. Knowledge of subjects, good stories, good use of knowledge of the class." - Productivity Engineer

Target Audience

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.

You Will Learn

Participants will learn how to:

- Define development stages and skillfully execute them
- Develop scopes of work and execution plans

- Utilize project control techniques and earned value analysis
- Develop engineering design checklists to ensure key deliverables for each phase are addressed
- Guide teams through technical reviews and secure needed approvals
- Measure progress during construction

Course Content

- Project development systems for the oil and gas industry
- The stage-gate system
- Key knowledge areas for leaders
- Leadership
- Design engineering
- Contracting
- Execution planning for design, procurement and construction
- HSE management
- Risk identification and mitigation
- Organization types and resource deployment
- Work breakdown structure
- Planning and scheduling
- Progress measurement
- Cost estimating
- Change control
- Reviews and approvals

Product Details

Categories: [Upstream](#)

Disciplines: [Project Management](#)

Levels: [Intermediate](#)

Product Type: [Course](#)

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

Instructors: [PetroSkills Specialist](#) [Roger Haddad](#) [Pete Luan](#) [Ken Lunsford](#)

In-Classroom Format

'22 Oct 24 - '22 Oct 28 | Course | In-Classroom (in Houston)

\$4,510.00

Virtual Format

'22 Jul 11 - '22 Jul 22 | Course | Virtual (Houston UTC)

\$4,090.00
