

OVERVIEW OF THE UPSTREAM PETROLEUM INDUSTRY

August 22-23, 2018
EUCI Office
4601 DTC Blvd
Denver, CO



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EUCI is authorized
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1.0 CEUs for this
course.

OVERVIEW

This comprehensive course introduces you to the basics of the upstream petroleum industry. Using non-technical language, this course will explore the concepts of oil and gas exploration, production, transportation, and petroleum refining. The course covers the fundamental principles and technologies used by petroleum geologists, geophysicists, drillers, reservoir and production engineers in search of hydrocarbons.

Upon completion, attendees will emerge with a general understanding of the upstream oil and gas industry, its components, processes and technologies, and will be able to relate their knowledge to the operations of petroleum production and service companies.

This course presents an overview of the upstream petroleum industry from the point of view of the asset life cycle. Participants will gain an understanding of exploration, appraisal, development, and production with particular emphasis placed on actions attendees can take within each phase to support value creation. Through use of lecture and interactive class exercises, a breadth of upstream acumen will be delivered covering economic business, geoscience, and engineering topics. Discussions will include subjects related to all types of resource plays including deepwater, shale oil/gas and enhanced oil recovery technologies.

LEARNING OUTCOMES

- Discuss the petroleum kinds, quality, and major benchmarks
- Describe oil and gas pricing, global reserves, and energy trends
- Explain business and exploration elements critical to the success of organizations in search of new reserves
- Address exploration rights, how they are acquired, land themes, and international concessions
- Express exploration rights and how they are required
- Describe the basic drilling process
- Explain the processes of reservoir engineering
- Discuss strategies to maximize the value of an oil or gas field asset
- Describe how geology and reservoir management plans are used to guide new field development
- Address the design, construction, and commission of processing and surface facilities
- List the basic technical and operational steps required to produce an oil or gas field
- Explain steps to optimize older fields and increasing production

WHO SHOULD ATTEND

Both technical and business-oriented professionals who are either new to the upstream oil and gas industry or experienced in one part, but could benefit from a wider point of view. The course will likewise deliver for non-industry personnel a broad, basic knowledge set of multiple E&P topics. Legal, financial, accounting, management, and service company team members will certainly benefit.

AGENDA

WEDNESDAY, AUGUST 22, 2018

8:00 – 8:30 am **Registration and Continental Breakfast**

8:30 am – 4:00 pm **Course Timing**

12:00 – 1:00 pm **Group Luncheon**

Petroleum

- Kinds
- Quality
- Major benchmarks

Oil & Gas on the World's Economic Stage

- Pricing
- Global reserves
- Energy trends
 - o Short-term
 - o Long-term

New Field Prospects

- Business elements critical to the success of organizations in search of new reserves
- Exploration elements
- Types of resource plays

Exploration Rights

- How they are acquired
- Land themes
- International concessions

Drilling: The Basic Process

- Evaluating an exploration well
- Permits
- Drilling fluids
- Petrophysics
- Testing

Reservoir Engineering

- Major steps required to appraise a new discovery
- Commerciality estimates
- Role of reservoir engineers
- Logging, reservoir evaluations
- Reserve estimations

Strategies to Maximize the Value of an Oil or Gas Field Asset

AGENDA

THURSDAY, AUGUST 23, 2018

8:00 – 8:30 am **Registration and Continental Breakfast**

8:30 am – 12:00 pm **Course Timing**

How Geology and Reservoir Management Plans are Used to Guide New Field Development

Processing and Surface Facilities

- Design
- Construction
- Commission

Production Engineering

- Basic technical and operational steps required to produce an oil or gas field
- Examples of production operations
 - o Pulling wells
 - o Well testing
 - o Analyzing mechanical failures in wells

Optimizing Older Fields & Increasing Production

- Enhanced oil recovery
- Steam
- Waterflood
- CO2 injection

INSTRUCTOR



Patrick Fitzgerald

Adjunct Faculty; Energy Land Management Certificate Program, Franklin L. Burns School of Real Estate and Construction Management, University of Denver

Dr. Patrick Fitzgerald, Ph.D., Ed.D., J.D. is Senior Partner in the law firm Fitzgerald & Associates with offices in Dallas and Oklahoma City and Of Counsel with Cantafio Eddington PC with offices in Denver and Steamboat Springs, Colorado. He specializes in various areas of law related to the oil and gas industry.

At Oklahoma Baptist University, he developed and teaches all parts of the Energy Land Management Certificate Program, teaches in the MBA program in Energy Management and teaches graduate finance and economics courses. Concurrently, he is a Distinguished Visiting Industry Expert in Energy Management and Petroleum Land Practices in the Daniels College of Business at the University of Denver. He is also a Visiting Scholar in Finance in the Price College of Business at the University of Oklahoma and a Lecturer in Energy Finance with the University of Colorado Denver. At Texas Christian University, he is a Distinguished Scholar and Expert with the Energy Institute. He developed and taught all parts of the Petroleum Land Management Certificate Program for the University of Texas at Austin and is an Affiliated Scholar in the Center for Global Energy, International Arbitration and Environmental Law at The University of Texas School of Law. He has taught for the McGuire Energy Institute in the Cox School of Business of Southern Methodist University and regularly teaches the American Association of Professional Landmen (AAPL).

Dr. Fitzgerald is the author of Understanding and Negotiating the Oil & Gas Farmout Agreement and several “must have” texts soon to be published by the (AAPL), including Critical Title Issues and The Landsman’s Deskbook and Understanding and Negotiating the Oil and Gas Lease being co-authored with Ralph Cantafio. He is a regular contributor to Landman.

He is also active with NALTA and was a featured speaker in Baltimore at the 2012 annual meeting and at the 2013 annual meeting in Albuquerque.

REQUIREMENTS FOR SUCCESSFUL COMPLETION

Participants must sign in/out each day and be in attendance for the entirety of the course to be eligible for continuing education credit.

INSTRUCTIONAL METHODS

Case studies, PowerPoint presentations and Classroom Exercises will be used in this program.

EVENT LOCATION

EUCI Office Building Conference Center

4601 DTC Blvd, B-100
Denver, CO 80237

NEARBY HOTELS

Preferred Hotel:

Hyatt Place Denver Tech Center

8300 E. Crescent Parkway, Greenwood Village, CO 80111 (0.9 miles away)

Call Central Reservations at **888-492-8847** and ask for the corporate rate of \$159 under the **Group Code: EUCI**.

or visit https://denvertechcenter.place.hyatt.com/en/hotel/home.html?corp_id=102338 for the corporate/group rate using the **Group Code: EUCI**

Hyatt Regency Denver Tech Center

7800 E. Tufts Ave
Denver, CO 80237
Phone: 303-779-1234
0.3 miles away

Hilton Garden Inn Denver Tech Center

7675 E. Union Ave
Denver, CO 80237
Phone: 303-770-4200
0.6 miles away

Denver Marriott Tech Center

4900 S. Syracuse St
Denver, CO 80237
Phone: 303-779-1100
0.7 miles away

IACET CREDITS



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EUCI is authorized by IACET to offer 1.0 CEUs for the course.

REGISTRATION
to register [CLICK HERE](#) or

Call: 201 871 0474
fax: 253 663 7224
email: register@pmaconference.com
web: <http://pmaconference.com/>
Mail: POB 2303 Falls Church Va 22042

Please make checks payable to: "PMA"

EVENT LOCATION

EUCI Office Building Conference Center
 4601 DTC Blvd, B-100
 Denver, CO 80237

See nearby hotels on page 5

PLEASE SELECT

- OVERVIEW OF THE UPSTREAM PETROLEUM INDUSTRY COURSE**
 AUGUST 22-23, 2018: US \$1395
 Early bird on or before August 3, 2018: US \$1195

How did you hear about this event? (direct e-mail, colleague, speaker(s), etc.)

Print Name Job Title

Company

What name do you prefer on your name badge?

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List any dietary or accessibility needs here

CREDIT CARD INFORMATION

Name on Card Billing Address

Account Number Billing City Billing State

Exp. Date Security Code (last 3 digits on the back of Visa and MC or 4 digits on front of AmEx) Billing Zip Code/Postal Code

OR Enclosed is a check for \$ _____ to cover _____ registrations.

Substitutions & Cancellations

Your registration may be transferred to a member of your organization up to 24 hours in advance of the event. Cancellations must be received on or before July 20, 2018 in order to be refunded and will be subject to a US \$195.00 processing fee per registrant. No refunds will be made after this date. Cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCI event. This credit will be good for six months from the cancellation date. In the event of non-attendance, all registration fees will be forfeited. In case of course cancellation, EUCI's liability is limited to refund of the event registration fee only. For more information regarding administrative policies, such as complaints and refunds, please contact our offices at (201) 871-0474.