



# Oil & Gas Industry Operations and Markets



Instructor: [Lincoln Pratson](#)

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## 2 modules

Gain insight into a topic and learn the fundamentals.

4.8 ★

(6,455 reviews)

7 hours to complete

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## Skills you'll gain

Energy and Utilities   Market Analysis   Operations   Market Trend   Natural Resource Management   Production Process   Cost Estimation   Oil and Gas   Transportation Operations   Market Dynamics

## Details to know



### Shareable certificate

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### Assessments

7 assignments<sup>1</sup>

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The oil and gas industry has an enormous impact on all aspects of daily life. Individuals, corporations, and national governments make financial and policy decisions based on the cost, use, and availability of these two natural resources. This two-week course looks at the two most fundamental aspects of the oil and gas industry, its operations and markets, each of which is addressed as a separate module in the course. In the operations module, the course provides an overview of the production of oil and gas, from initial exploration to final transport. The second module focuses on the forces that drive the industry's operations, the oil and gas markets, including the cost

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## Oil and Gas Operations and Technology

Module 1 • 3 hours to complete

Module details ^

In this module, you will learn about the core activities that the Oil and Gas Industry executes to bring natural gas and petroleum products to market. We will look at the exploration and production of oil and gas, the processing and refining of the oil and gas into useable fuels and other valuable commodities, and finally the transport of oil, gas, and petroleum products from wells to refineries to retail outlets.

What's included

16 videos

1 reading

4 assignments

Hide info about module content ^

16 videos • Total 76 minutes

Oil and Gas Industry Overview

3 minutes

Oil and Gas Sources

2 minutes

The Hydrocarbon System

6 minutes

What Makes for a Good Reservoir Rock

3 minutes

Exploration Tools and Methods

3 minutes

Acquiring Mineral Rights

8 minutes

The Drilling Process

10 minutes

Prospect to Play

2 minutes

Production Over Time

4 minutes

Enhanced Oil and Gas Production

2 minutes

Processing Natural Gas

3 minutes

Crude Oil Distillation

5 minutes

Additional Refining Processes

5 minutes

Oil Midstream

6 minutes

Natural Gas Midstream

4 minutes

### Liquified Natural Gas

- 

3 minutes



**1 reading • Total 10 minutes**

### Report a problem with the course

- 

10 minutes



**4 assignments • Total 120 minutes**

### Oil and Gas Exploration

- 

30 minutes

### Production

- 

30 minutes

### Processing and Refining

- 

30 minutes

### Transport

- 

30 minutes

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## Oil and Gas Industry Markets

[Module details](#) ^

Module 2 • 4 hours to complete

In this second module, the course shifts to the markets that drive Oil and Gas Industry operations. You will learn about the various costs of the core oil and gas industry activities, the factors that determine the prices that oil, gas and petroleum products sell for, and the effect that the amount of oil and gas remaining in the ground has on the future viability of individual companies to the Industry as a whole.

### What's included



**14 videos**



**1 reading**



**3 assignments**



**1 peer review**

Hide info about module content ^



**14 videos • Total 71 minutes**

### Cost Components

- 

0 minutes

### Well Drilling and Production Costs

- 

5 minutes

### Well Cost and Revenue Sharing

- 

4 minutes

### Well Cash Flow

- 

2 minutes

### Transport, Processing and Sales Costs

- 

6 minutes

### Benchmark Costs

- 

4 minutes

### Supply, Demand, and Price Elasticity

- 

6 minutes

### Seasonal Impacts on Oil and Gas Prices

- 

6 minutes

### Short-Term Constraints on Prices

- 

4 minutes

Types of Prices

- 

7 minutes

Original Oil and Gas in Place

- 

4 minutes

Resources vs. Reserves

- 

5 minutes

Access to Conventional Reserves

- 

5 minutes

Additional Types of Unconventional Resources

- 

5 minutes



**1 reading • Total 10 minutes**

Share your learning experience

- 

10 minutes



**3 assignments • Total 62 minutes**

Oil and Gas Markets - Costs

- 

30 minutes

Oil and Gas Markets - Prices

- 

16 minutes

Oil and Gas Markets - Future of O&G

- 

16 minutes



**1 peer review • Total 120 minutes**

Oil and Gas Company Profile

- 

120 minutes

## Instructor

Instructor ratings ⓘ **4.8** ★ (1,851 ratings)



**Lincoln Pratson**

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★ **4.8** 6,455 reviews



EO

★ 5 · Reviewed on Nov 18, 2019

This is an awesome introductory course about the latest O&G industry operations and markets. I am truly benefited from this course and I highly recommend everyone to enroll in this course!

DD

★ 5 · Reviewed on May 14, 2019

Very rich and informative course. This course provides an exhaustive introduction towards the Oil and Gas market, it covers all the factors and parameters with great detail. Enjoyed it thoroughly!

EK

★ 5 · Reviewed on May 5, 2020

It was simply excellent! Very clear and comprehensive. Really gave a good overview of the oil and gas sector. The professor's voice was also very clear. He was well spoken. I learned a lot. Thank you!

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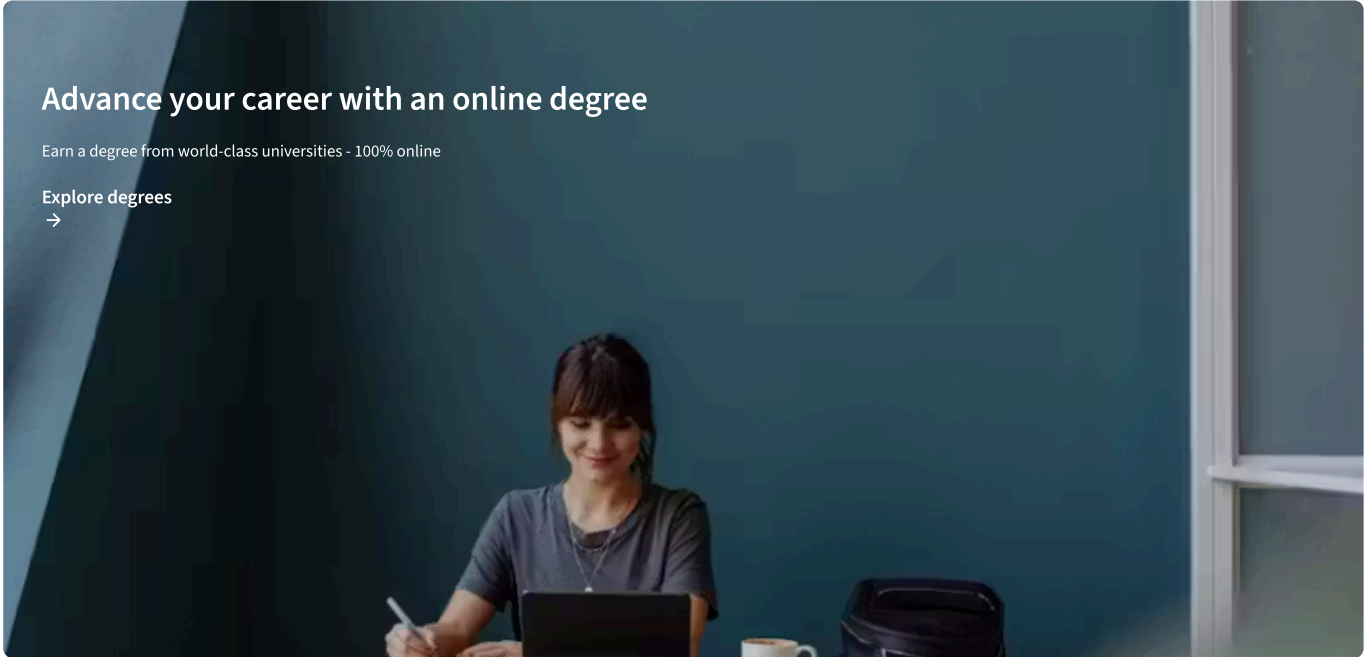
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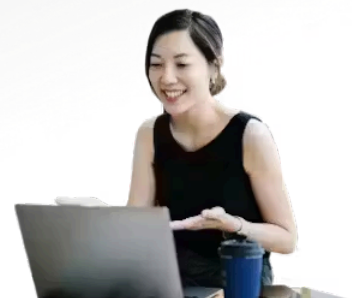
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required assessments, and get a final grade. This also means that you will not be able to purchase a Certificate experience.

^ What will I get if I purchase the Certificate?

When you purchase a Certificate you get access to all course materials, including graded assignments. Upon completing the course, your electronic Certificate will be added to your Accomplishments page - from there, you can print your Certificate or add it to your LinkedIn profile.

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Show all 4 frequently asked questions v

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<sup>1</sup> Some assignments in this course are AI-graded. For these assignments, your data will be used in accordance with [Coursera's Privacy Notice](#).

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