



UNIVERSITY of GUYANA
Institute for Energy Diplomacy

EXECUTIVE COURSE IN OIL AND GAS VALUE CHAIN

Course Codes: IED5002 and IED5002E

August 2021

GENERAL DESCRIPTION

This executive course provides participants with an overview of the key business aspects of the oil and gas business, with an emphasis in the upstream petroleum business. It explores the oil and gas value chain, key contracting and portfolio management, risks and challenges in the 21st century and discusses the important functional management issues, including technical, financial, environmental and social.

The Executive Course is an integral part in facilitating the Institute's mission to inform and enrich the understanding, policies and performance of Guyana's energy market by pursuing excellence in its advanced multi-disciplinary training on areas of energy.

The expected Executive Course intake is 20 participants.

COURSE DESIGN, DELIVERY AND ASSESSMENT BY: Adrian Duhalt, PhD. A CBMEX Energy Guyana Expert.

Dr Adrian Duhalt is a postdoctoral fellow in Mexico Energy Studies at the Center for the United States and Mexico and Center for Energy Studies at the Baker Institute. He is an Associate Professor at Universidad de las Américas Puebla (UDLAP). His main research is related to energy dynamics in North America (shale gas development in the United States and Mexico's energy reform) and their effect on petrochemical value chains, agricultural productivity and food dependency in Mexico.



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LEARNING OUTCOMES

Upon completion, participants will be able to:

- Understand how the oil and gas value chain is structured and the options companies have to develop their own portfolio of projects,
- Identify the global challenges that the oil and business is facing, principally in relation to the energy transition and the embrace of more efficient transport systems,
- Inspect the opportunities that oil and gas businesses may capture going forward, with a focus on petrochemicals and LNG
- Assess the social and environmental issues impacting the prospects of oil and gas infrastructure projects

COURSE CONTENT

Remote live lectures via Zoom with additional material available on Moodle

Understanding the Oil and Gas value chain

Energy transition: what is in it for National Oil Companies and International Oil Companies?

The rise of petrochemicals and LNG

Social and environmental issues around Oil and Gas projects

The financial constraints of a National Oil Company: a review of Mexico's Pemex

ENTRY REQUIREMENTS

Participants are expected to have an undergraduate degree or at least 5 years' experience in a related field.

CERTIFICATE TYPE

Assessment-Based Certificate: 3 Postgraduate Credits

The assessment-based certificate in Oil and Gas Value Chain represents 30 learning hours.

Instructor Contact Hours: 10

Self-Directed Study Hours: 15



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Forum Engagement Hours: 2

Exam Preparation (Quiz) Hours: 1

Exam Hours: 2

Duration

The course will be 2 weeks in length. It will be delivered on the Friday and Saturday of Week 1 and Sunday, Monday and Thursday of Week 2. The 100% weighted 2-hour final exam will be administered on Saturday of Week 2.

Evaluation and Grading Scheme

Participants to the exam option will be evaluated by a 100% weighted 2-hour final exam administered via Moodle. Participants will be eligible for an assessment-based Executive Course Certificate in Oil and Gas Value Chain if they score 45% or more based on the grading scheme below:

A =	75% - 100%
B =	65% to 74%
C =	55% to 64%
D =	45% to 54%
F =	Less than 45%

Certificate of Participation

Participants to the no exam option will be eligible for an Executive Certificate of Participation in Oil and Gas Value Chain.

Duration

The course will be 2 weeks in length. It will be delivered on the Friday and Saturday of Week 1 and Sunday, Monday and Thursday of Week 2.

RECOMMENDED READING LIST

Detailed reading list to be provided