



# ENERGY BusinessCenter

## Graduate Certificate in Oil & Gas Management [WEEKEND PROGRAM]

The Energy Business Center of Centenary College is proud to announce a new **weekend Graduate Certificate Program in Oil and Gas Management**. Developed and taught by Centenary faculty and top energy executives, this two-part certificate program offers a comprehensive suite of core energy courses covering upstream oil and gas, energy economics, financial analysis and reporting, and oil & gas law.

### Who Should Attend?

**Part One** of this **Saturday program** is designed for landmen, newly-hired engineers and geo-scientists, accountants, attorneys and other professionals who need to develop or improve their skill and understanding of:

(1) the technical aspects of upstream oil and gas activities and (2) basic economic analysis and profitability of petroleum exploration and production.

Admission Requirement: Undergraduate degree

For more information contact:

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# Centenary

**CENTENARY.EDU/ENERGYBUSINESS**

# Certificate in Oil & Gas Management: Part I

## Introduction to Petroleum Exploration and Production May 8, 22 & June 5, 2010

**INSTRUCTOR:** Dr. Mary Barrett, Professor Emeriti of Centenary College of Louisiana and Program Manager of the Energy Business Center, holds a B.S., M.S., and Ph.D. in geology. She worked as a petroleum geologist for Mobil Oil from 1980-1983 and 1987-1992. During the mid-1980s, she completed her doctoral work at Johns Hopkins University focusing on the Smackover Formation, a major petroleum reservoir in the Gulf Coast. Dr. Barrett has taught courses in sedimentary geology, petroleum geology, and GIS mapping at Centenary; she has worked on petroleum projects across the country and is a noted authority on oilfield waste management. Dr. Barrett is also a consultant in petroleum geology and serves as an expert in oilfield litigation.

Introduction to Petroleum Exploration and Development is designed for professionals who seek a solid foundation in petroleum (oil & gas) geology, engineering, and the associated regulatory framework. The course will focus on how and why petroleum fields form, how they are explored, how fields are developed over time, and what happens to oil and gas once it is produced. Attention will also be given to the regional occurrence and history of petroleum fields in the Ark-La-Tex region and Louisiana.

## Oil & Gas Economics July 10, 17, & 24, 2010

**INSTRUCTOR:** Dr. Harold Christensen is Professor of Economics and Director of the Center for Economics Education at Centenary College of Louisiana. He holds a doctorate in Economics Education from Oklahoma State University and was a Post-Doctoral Fellow in Applied Economics at the University of Chicago. Dr. Christensen teaches courses in Energy Economics, Macroeconomic Theory, Money and Banking, Economic History, Industrial Organizations, and various applied microeconomics courses in the Frost School of Business at Centenary. His research and publications have addressed rotary rig utilization, oil and gas pricing, and refined products competitive behavior. Dr. Christensen is frequently quoted by various media outlets for his insights on local, national and worldwide energy markets.

Our second course in Part I of Centenary's Graduate Certificate in Oil & Gas Management provides participants with a fundamental understanding of economic principles that enable the assessment and determination of project viability. Participants will learn cash flow techniques for economic evaluations; understand the role of interest rates, hurdle rate, time and value of money, selection, ranking criteria; types of risk, mathematical techniques, probabilistic models, and uncertainty in economic analysis; Forecasting oil production and; how to define "reserves", operating expenses, capital expenditures, and inflation factors that impact oil and gas prices.

### Program Cost Part I: \$3,500\*

Two courses conducted on six Saturdays, 8:30 a.m. – 4:30 p.m. Payment includes course materials, breakfast, lunch, snacks, and refreshments

\*Non-certificate seeking individuals may enroll in individual courses on a space available basis – \$1,850/course.

## Certificate in Oil & Gas Management: Part II

### Energy Finance for Nonfinancial Managers

Dates: TBA

### Oil & Gas Law

Dates: TBA

### Program Cost Part II: \$3,500\*

Two courses conducted on six Saturdays, 8:30 a.m. – 4:30 p.m. Payment includes course materials, breakfast, lunch, snacks, and refreshments

\*Non-certificate seeking individuals may enroll in individual courses on a space available basis – \$1,850/course.