



**A TOP-RATED UNIVERSITY
FOR EMPLOYABILITY**

GRADUATE CERTIFICATE IN PETROLEUM DATA MANAGEMENT



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The oil and gas industry continues to be a major provider of energy and employment globally, and needs fresh talent on an on-going basis in order to maximise current and future opportunities. Such talent will support the industry in delivering efficiencies, increasing exploration success and reducing risks, all key factors for achieving industry success.

WHY PETROLEUM DATA MANAGEMENT

Data managers need to be competent and have the confidence to identify solutions and highlight problems, and to come up with ideas for business improvement. Demand for qualified Petroleum Data Managers is growing, as the success of the business becomes increasingly dependent on effectively managing data which is increasing in both volume and complexity.

COURSE DETAILS

DURATION: 9 MONTHS

STRUCTURE: 4 MODULES

STUDY TIME: 15 - 20 HOURS / WEEK

COST: £2,940 PA (2016/2017)

DELIVERY: FULLY ONLINE

[MORE INFORMATION](#)

BENEFITS OF STUDY

- **Developed with industry for industry:** Course content has been developed and approved with industry partners.
- **Recognised discipline and career path:** The value of data and sophistication of tools and technology to manage it mean that petroleum data management is now recognised as a valued discipline in the industry.
- **Entry point into the oil and gas industry:** Provides new entrants with a robust understanding of subsurface data management in industry.
- **Career development:** Providing a solid academic underpinning for subsurface data management.
- **Develops international capability:** The course is not biased towards any one company, region of the world, or sector of the industry.

COURSE OVERVIEW

The Graduate Certificate is a recognised qualification delivered through four online modules worth 15 credits each. The course is delivered using RGU's virtual learning environment, Campus Moodle.

The content of the four modules cover all aspects of the subsurface Exploration and Production Data lifecycle:

1. Managing Subsurface Exploration and Production Data
2. The Data Management Lifecycle
3. Providing Data Management Services
4. Data Quality and Governance

- Modules will be assessed through a combination of online exams and coursework assignments and all are submitted through the online portal
- This is not an IT course, rather it is a tailored course that deals with the specific aspects of managing the physical and digital data used across the industry to understand and evaluate the subsurface and the petroleum reserves located there.

ENTRY REQUIREMENTS

Students will be required to demonstrate understanding of this domain and an interest in pursuing a related career path. Prior knowledge of the oil and gas industry or a geoscience background would be an advantage.

DECISIONS ARE TAKEN BY PEOPLE BUT ARE INFORMED BY DATA – THE IMPACT OF INCOMPLETE OR INACCURATE DATA ON, FOR INSTANCE, WHERE TO OPTIMALLY LOCATE AN EXPLORATION WELL IS COSTLY – A FAILED EXPLORATION WELL COSTS ON AVERAGE £35 MILLION. GOOD DATA MANAGEMENT ABSOLUTELY MAKES A DIFFERENCE.
MALCOLM FLEMING, CHIEF EXECUTIVE, CDA, 2016



ABOUT CDA AND RGU

CDA is an industry-owned, not for profit organization supporting data management collaboration in the UK oil and gas industry. It hosts an online service that stores and delivers digital subsurface information on wells and geophysical surveys to oil companies, service companies, universities and the Government. Robert Gordon University has partnered with CDA to develop a Graduate Certificate in Petroleum Data Management in response to a business need from industry and as part of CDA's wider professionalisation agenda.

To find out more about CDA email info@cdal.com, or visit their website www.cdal.com

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