



Master of Science in Petroleum Geosciences by Coursework

Physical and Geological Sciences Programme offers a **programme by coursework** leading to the degree of Master of Science in Petroleum Geoscience. The programme intends to develop the necessary human resources required for the upcoming development of the oil and gas sector.

Programme Goals

The programme is designed for graduates of Geosciences or other relevant sciences or engineers seeking to acquire a broad, applied technical background. This programme prepares students for a professional career or may act as a springboard for those planning to embark on a research degree in Petroleum Geoscience. Students will be able to work with highly sophisticated software, advanced data interpretation and modelling techniques. Upon completion of the MSc degree, graduates will be able to compete for a career in the oil and gas industry. The Programme will also be suitable for those who are already in the oil and gas industry and want to enhance their technical and academic skills and qualifications.

Programme Structure and Modular Credits

The MSc in Petroleum Geoscience by Coursework includes classes in two semesters (One Year). Core and Option Modules shall be offered under the programme as follows:

Module Type	Number of Modules	Modular Credits
Core	4	16
Optional	4	16
Research Project	1	8
Total MCs		40





Physical and Geological Sciences
Faculty of Science
Universiti Brunei Darussalam



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Modules offered in this programme:

Core Modules

Petroleum Geochemistry, Seismic Interpretation, Graduate Research Project, Petroleum Exploration, Formation Evaluation.

Option Modules

Petroleum Sedimentology, Petroleum Structural Geology, Seismic Acquisition and Processing, Introduction to Organic Petrology, Petroleum Geology of Southeast Asia, Petroleum Subsurface Mapping, Unconventional Energy Resources, Production Geology, Sequence Stratigraphy, Reservoir Modeling, Petroleum Economics, Basin Analysis, Introduction to Petroleum Engineering

Entry Requirements

The minimum entry requirement is at least, a second class lower Bachelor Degree in Geology/Geophysics or any associated Earth Sciences degree or other related disciplines (Chemistry, Physics, Materials Science and Engineering) from a reputable university. Candidates fulfilling the entry requirement may be subject to interview.

All applicants must be able to demonstrate English language proficiency test of either IELTS score of 6.0 or TOEFL minimum overall score of at least 550 or any other equivalent test score accepted by the original master by coursework in UBD.

Application for admission can be made through our online admission system (OASys) webpage <https://apply.ubd.edu.bn/orbeon/uis-welcome/>

Deadline for application: 28 February 2018

FOS website: fos.ubd.edu.bn