PETROLEUM ENGINEERING (ONLINE) (JANUARY START)
(MSc/PgDip/PgCert)

63UH8OB1/63UH8OVX/63UH8OVZ

Duration: MSc 27 - 36 months full-time; PgDip 18 months full-time; PgCert 8 months full-time

Content: All Candidates must take the following compulsory courses:

Students starting in January 2023

Year 1

GL5554 Fundamentals of Petroleum Geoscience (15 credit points)
EG554Y Petrophysics, Core Analysis and Formation Evaluation (15 credit points)

Year 2

EG502U Reservoir Engineering (15 credit points)
EG502L Well and Production Engineering (15 credit points)
EG552H Reservoir Simulation (15 credit points)
EG552G Enhanced Oil Recovery (15 credit points)

(Optional)

Students may opt in for the individual project at this stage, otherwise, students will only be able to undertake the project in Year 3

Year 3

EG502J Well Testing: Analysis and Design (15 credit points)
EG502M Field Development and Petroleum Economics (15 credit points)
EG555N MSc Individual Project (60 credit points)

Students starting in January 2024

Year 1

GL5554 Fundamentals of Petroleum Geoscience (15 credit points)
EG554Y Petrophysics, Core Analysis and Formation Evaluation (15 credit points)

Year 2

EG502L Well and Production Engineering (15 credit points)
EG502U Reservoir Engineering (15 credit points)
EG552G Enhanced Oil Recovery (15 credit points)
EG556L AI, Machine Learning and Data Science for the Petroleum Industry (15 credit points)

(Optional)

Students may opt in for the individual project at this stage, otherwise, students will only be able to undertake the project in Year 3

Year 3

EG502J Well Testing: Analysis and Design (15 credit points)
EG506Z Field Development and Petroleum Economics and Simulation (15 credit points)
EG555N MSc Individual Project (60 credit points)

Assessment: By a combination of written examination and course work as prescribed for each course. In addition MSc candidates must submit a dissertation on their individual project, and may be required to undergo an oral examination. The degree of MSc shall not be awarded to a candidate who fails to achieve a CGS Grade of D3 or above in the individual project, irrespective of their performance in other courses.