

**PETROLEUM ENGINEERING (ONLINE) (SEPTEMBER START)
(MSc/PgDip/PgCert)**

63H8OSB1/ 63H8OSVX/ 63H8OSVZ

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 September 2022

Year 1

- GL5054 Fundamentals of Petroleum Geoscience (15 credit points)
- EG504Y Petrophysics, Core Analysis and Formation Evaluation (15 credit points)
- EG552D Reservoir Engineering (15 credit points)
- EG552E Well and Production Engineering (15 credit points)

(Optional)

Student may opt in for the individual project at this stage, otherwise, student will only be able to undertake the project after stage 5 and during the summer after meeting all other requirements.

- EG59F2 MSc Individual Project (60 credit points)

Year 2

- EG502H Reservoir Simulation (15 credit points)
- EG502J Well Testing: Analysis and Design (15 credit points)
- EG552F Field Development and Petroleum Economics (15 credit points)
- EG552G Enhanced Oil Recovery (15 credit points)

- EG59F2 MSc Individual Project (60 credit points)

Year 3

- EG59F2 MSc Individual Project (60 credit points) (continued from previous year)

Students starting in September 2023

Year 1

- GL5054 Fundamentals of Petroleum Geoscience (15 credit points)
- EG502U Reservoir Engineering (15 credit points)
- EG552G Enhanced Oil Recovery (15 credit points)
- EG554Y Petrophysics, Core Analysis and Formation Evaluation (15 credit points)

(Optional)

Student may opt in for the individual project at this stage, otherwise, student will only be able to undertake the project after stage 5 and during the summer after meeting all other requirements.

- EG59F2 MSc Individual Project (60 credit points)

Year 2

- EG502J Well Testing: Analysis and Design (15 credit points)
- EG502L Well and Production Engineering (15 credit points)
- EG552F Field Development and Petroleum Economics (15 credit points)
- EG552H Reservoir Simulation (15 credit points)

EG59F2 MSc Individual Project (60 credit points)

Year 3

EG59F2 MSc Individual Project (60 credit points) (continued from previous year)

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.