

OIL AND GAS ENGINEERING (ONLINE) (JANUARY START) (MSc/PgDip/PgCert)

63UH2OB1/63UH2OVX/63UH2OVZ

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

Content: All Candidates must take the following compulsory courses:

Students Starting in January 2023

Year 1

EG55G8 Flow Assurance (15 credit points)
EG552D Reservoir Engineering (15 credit points)

Year 2

EG504L Carbon Capture, Utilisation and Storage (CCUS) (15 credit points)
EG50S3 Safety and Risk Management (15 credit points)
EG552L Oil and Gas Chemistry (15 credit points)
GL5554 Fundamentals of Petroleum Geoscience (15 credit points)

Year 3

EG502L Well and Production Engineering (15 credit points)
EG5077 Project Management (15 Credit Points)

MSc Candidates only:

EG555N MSc Individual Project (60 credit points)

Students Starting in January 2024

Year 1

EG552D Reservoir Engineering (15 credit points)
GL5554 Fundamentals of Petroleum Geoscience (15 credit points)

Year 2

EG502L Oil and Gas Chemistry (15 credit points)
EG504L Carbon Capture, Utilisation and Storage (CCUS) (15 credit points)
EG556L AI, Machine Learning and Data Science for the Petroleum Industry (15 credit points)
EG55G8 Flow Assurance (15 credit points)

Year 3

EG5077 Project Management (15 credit points)
EG50S3 Safety and Risk Management (15 credit points)

MSc Candidates only:

EG555N MSc Individual Project (60 credit points)

Students Starting in January 2025 and subsequent years

Year 1

EG552E Well and Production Engineering (15 credit points)
GL5554 Fundamentals of Petroleum Geoscience (15 credit points)

Year 2

EG502U Reservoir Engineering (15 credit points)
EG504L Carbon Capture, Utilisation and Storage (CCUS) (15 credit points)
EG556L AI, Machine Learning and Data Science for the Petroleum Industry (15 credit points)
EG55G8 Flow Assurance (15 credit points)

Year 3

EG50S3 Safety and Risk Management (15 credit points)
EG5077 Project Management (15 credit points)

MSc Candidates only:

EG555N MSc Individual Project (60 credit points)

Assessment: By written examination and course work as prescribed for each course. In addition, MSc candidates must submit a dissertation on their project, and will be required to undergo an oral examination.