

OIL AND GAS INNOVATION (SEPTEMBER START) (MSc/ PgCert) 57OGICB1

Duration: 12 months full time or 24 months part-time (MSc); 4 months full time or 9 months part time (PgCert).

FULL TIME ROUTE

Content Candidates shall be required to attend the following designated programme of courses:

Stage 1

OG5003 Commercialising Innovation (15 credit points)
OG5002 Project Scoping (15 credit points)

15 credits in total in compulsory courses (autumn term) delivered by other Scottish Universities:

OG5005 Business Essentials for Innovators

One Optional course from:

EG50F6 Subsea Control
EG50T7 Subsea Construction, Inspection and Maintenance
EG5071 Fire and Explosion Engineering

EG50R1 Offshore Structures & Subsea Systems
EG501L Reservoir Engineering
EG50T6 Well and Production Engineering
GL5307 Petrophysics, Core Analysis and Formation Evaluation
GG5065 An Introduction to GIS Tools, Techniques, Cartography and Geovisualisation (15 credit points)

The optional courses available will depend on the background of the student, the topic of the innovation project and the semester of study.

Stage 2

All courses for Stage 1 plus

OG5503 Project in Oil and Gas Innovation (120 credit points)

Students will undertake the project and complete the dissertation in Oil and Gas Innovation which will be defined where possible in collaboration with industrial partners.

PART TIME ROUTE

Content Candidates shall be required to attend the following designated programme of courses:

Stage 1

OG5003 Commercialising Innovation (15 credit points)
OG5502 Project Scoping (15 credit points)

15 credits in total in compulsory courses (autumn term) delivered by other Scottish Universities:

OG5005 Business Essentials for Innovators

One Optional course from:

EG55F2 Pipelines and Soil Mechanics (15 credit points)
EG55F8 Flow Assurance (15 credit points)
EG552C Enhanced Oil Recovery (15 credit points)
EG552B Reservoir Simulation (15 credit points)

EG551Q Well Testing: Analysis and Design (15 credit points)
EG551Y Oil and Gas Chemistry (15 credit points)
GL5511 Production Geology (15 credit points)
GL5538 Borehole Geophysics and 4D Reservoir Monitoring (15 credit points)
GG5567 Advanced Spatial Analysis and Programming (15 credit points)
CS551D Fundamentals of Software Project Management (15 credit points)

The optional courses available will depend on the background of the student, the topic of the innovation project and the semester of study.

OG5504 Project in Oil and Gas Innovation (preparation) 0 credits

Stage 2

OG5004 Project in Oil and Gas Innovation (120 Credits)

Students will undertake the project and complete the dissertation in Oil and Gas Innovation which will be defined where possible in collaboration with industrial partners.

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 will be required to undergo an oral examination.