

ADVANCED STRUCTURAL ENGINEERING (ONLINE – JANUARY START) (MSc/PgDip/PgCert)
63UH21B1/ 63UH21VX/63UH21VZ

Duration: MSc 27 months part-time; PgDip 24 months part-time; PgCert 12 months part-time

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

Year 1

EG556T Mathematical Optimisation (15 credit points)
EG557F Modern Construction (15 credit points)
EG506F Structural Vibrations (15 credit points)
EM501A Advanced Composite Materials (15 credit points)

Year 2

Two from the following:

EG556E Finite Element Methods (15 credit points)
EG55G9 Riser Systems and Hydrodynamics (15 credit points)
EG55Q2 Engineering Risk and Reliability Analysis (15 credit points)

Plus two from the following:

EA50JH Offshore Structural Design (15 credit points)
EG501G Fire and Explosion Engineering (15 credit points)
EG503G Computational Fluid Dynamics (15 credit points)

Year 3 (MSc candidates only)

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.