

# Mature Field Management

Heriot-Watt University

## Venues

Edinburgh Campus

## Content

The bulk of the world's hydrocarbons come from producing assets – so-called 'mature fields'. In turn, these supply the bulk of the world's energy.

Managing these assets is therefore a central aspect of global energy supply, and will become more so as the world's giant fields become progressively more mature. Most industry jobs in exploration and production will be in this arena, requiring a talented workforce to fill them for decades to come.

Heriot-Watt's Institute of GeoEnergy Engineering has therefore created a new Master's programme to address this need. The topical content is necessarily broader than the existing IPE programmes, embracing not only geoscience, reservoir and well engineering but also surface engineering and the linkage between them in the form of Integrated Asset Management (IAM).

The subject also demands a grasp of incremental petroleum economics and risk analysis, and a methodology for handling decision-making in assets in which production and data gathering are continuous. This methodology provides the link between the programme components and sits at the core of the group exercise, with Edinburgh's own Forth Bridge as a visual metaphor for the process.

Finally the programme deals with the asset end-game. When does production cease, how can field life be extended, how do we decommission (or then re commission?) and what are the potential uses of these reservoirs in the post-carbon era?

## Start Date

September, January

## Qualification

Postgraduate Master's

## Study Method

Full time

## Award Title

MSc

## Course Length

12 months

## Faculty

School of Energy, Geoscience, Infrastructure and Society

## Department

Life Sciences

## Entry Requirements

Entrants to the course will normally have a good honours degree (minimum 2:2 or UK equivalent) in an engineering or relevant science discipline from a British or overseas university.

In addition to the academic qualifications, motivation, industrial experience and personality are taken into consideration.

## SCQF Level

11

## Progression Routes

«ProgressionRoutes»

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

Edinburgh  
EH14 4AS

## Website

[www.hw.ac.uk](http://www.hw.ac.uk)