

Applied Mathematical Sciences with Mathematical Biology, Ecology and Medicine

Heriot-Watt University

Venues

Edinburgh Campus

Content

There are four mandatory courses and four optional courses, totalling 120 credits. The mandatory courses concern specific aspects of mathematical modelling in biology ecology and medicine, while the optional courses concern either background material in mathematical analysis, numerical simulation and statistical methods, or complementary material in biological sciences and computer science. Choice of optional courses will be done in consultation with the programme director and will be subject to his/her approval.

Core courses

Mathematical Ecology; Modelling and Tools; Mathematical Biology and Medicine; Masters Project and Dissertation

Optional courses

Optimisation; Numerical Analysis (ODEs); Statistical Methods; Stochastic Simulation; Applied Linear Algebra; Partial Differential Equations; Numerical Analysis (PDEs); Bayesian Inference

You can exit at the end of 9 months with PgDip Applied Mathematical Sciences with Mathematical Biology, Ecology and Medicine.

Start Date

September

Qualification

Postgraduate Master's

Study Method

Full time

Award Title

MSc

Course Length

12 months

Faculty

School of Mathematical and Computer Sciences

Department

Mathematics

Entry Requirements

Entry is aimed at graduates with strong mathematical knowledge and skills. A good honours degree in mathematics, statistics or a related subject with a substantial mathematical content is desired. Motivation and a willingness to work hard are also important pre-requisites.

SCQF Level

11

Address

Edinburgh
EH14 4AS

Website

www.hw.ac.uk