



University of
Nottingham

UK | CHINA | MALAYSIA

MSc/PGDip Animal Nutrition

Study farm, companion and zoo animal nutrition and acquire business skills and an in-depth knowledge of the international animal feed industry

nottingham.ac.uk/pgstudy/biosciences



Innovative,
high-tech learning
environment



Expert
research-led
teaching



Strong links with
industry partners



Advanced training
for employment





Teaching-led course equips students with the skills and knowledge for careers in research or industry

Overview

The School of Biosciences' animal sciences research group has an international reputation for research in animal nutrition, development, reproduction and biotechnology. It has links with the University's School of Veterinary Medicine and Science, also based on the same campus.

The course has close links with industry, with guest lectures and site visits providing access to the latest developments in the animal feed industry. Students have access to our on-campus University Farm and Dairy Centre.

Content

Key features of the programme are:

- Principles of nutrition including the sources and functions of macro and micronutrients and animal metabolism
- A range of methods for acquiring and interpreting biological and epidemiological information
- Feeding systems for livestock production, and dietary regimens for zoo and companion animals
- Role of diet in the causation and prevention of disease and the promotion of animal health
- Feed manufacturing industries, including business organisation, operational management, raw ingredient sourcing, processing and feed evaluation
- A series of case studies involving dietary evaluations and formulations on commercial premises, including livestock species, zoo and companion animals
- Latest trends and scientific developments in animal nutrition and philosophical and ethical issues associated with those trends
- Experimental design, research techniques in animal nutrition, data analyses and interpretation, and means of presenting scientific data

You will carry out a primary research project in an area related to animal nutrition, supervised by a specialist.

Structure

You will take taught modules (120 credits) followed by a research project and dissertation (60 credits). A diploma is also available, consisting of the taught element only.

Modules

Modules are delivered through a combination of lectures, field visits, tutorials and practical classes which will be taught by subject specialists from within the school and by external speakers from industry.

Compulsory modules:

- Fundamentals of Nutrition
- Companion and Zoo Animal Nutrition
- Non-ruminant Nutrition
- Ruminant Nutrition
- Agri-business and Case Studies
- Molecular Nutrition
- Research Techniques in Animal Nutrition

Research project:

- You will carry out a primary research project in an area related to animal nutrition, supervised by a specialist.

Further information is available at:
nottingham.ac.uk/pgstudy/biosciences

Entry requirements

You will normally be expected to hold an honours degree at 2:2 level or above (or its international equivalent) in a biological, chemistry, biochemical engineering or other relevant science from a university recognised by the University of Nottingham. Relevant workplace experience may also be accepted. Applicants whose first language is not English must also achieve:

- IELTS 6.0 (with no less than 5.5 in any element) or
- TOEFL iBT 79 (minimum 17 in writing and listening, 18 in reading and 20 in speaking)

Test results should be no more than two years old.

Find out more

Academic enquiries:
Professor Kevin Sinclair
+44(0)115 951 6053
kevin.sinclair@nottingham.ac.uk

University of Nottingham has made every effort to ensure that the information in this leaflet was accurate when published. Please note, however, that the nature of the content means that it is subject to change from time to time, and you should therefore consider the information to be guiding rather than definitive.

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