



WAGENINGEN
UNIVERSITY & RESEARCH

Course

Challenges in today's Poultry Nutrition

Would you like to broaden to broaden and deepen your knowledge on several aspects in poultry nutrition? In this course the basic aspects of feed formulation, nutritional strategies for several poultry species, gut physiology, and effects of climatic conditions on nutrient requirements are discussed in a 3-days programme.

Target group

The course is aimed at professionals working as a nutritionist, advisor, veterinarian, manager, teacher or researcher. But also other professionals involved in poultry production or from the (supplying) industry or government are welcome in this course.

Results

After the course, the participants understand:

- The scientific basis of the interaction between nutrition and the bird's metabolic status;
- The effects
- of individual feed ingredients in feed formulation;
- The influence of nutrition on immunology, the microbiome, stress and the occurrence of metabolic diseases;
- The importance of nutrition and (hot) climatic conditions world-wide;

Date 24-26 November 2021

Location Wageningen (NL)

Course leaders Dr R.P. (René) Kwakkel, WUR
Prof. J. (Johan) Buyse, KU
Leuven

Outline and topics

The course includes a variety of presentations spread over three consecutive days. The topics are introduced by different experts and there will be ample opportunity for discussion. In this course we offer you an 'inspiration dinner' as well as a session 'meet the young scientists' (PhD students with the latest developments in research). An excursion to the Wageningen Campus is included in the programme. The following themes will be covered in the course:

- Feed optimisation and management;
- Feeding strategies in layers and parent stock;
- Novel solutions;
- Feed and (gut) health broilers;
- Practical approach;
- Nutrition climate interaction;
- Feeding strategy as a function of climate.

Programme

Day 1: Wednesday 24 November 2021

- **Feed and Management, a holistic approach**
Prof. E. (Eddy) Decuypere, Katholieke Universiteit Leuven
- **Optimization of the feed composition**
M.C. (Ria) Wiltenburg, Nutreco Africa
- **Influence of stress on nutrient utilization**
Prof. J.G. (Johan) Buyse, Katholieke Universiteit Leuven
- **Feeding broiler breeders during the rearing and laying phase**
Dr R.A. (Rick) van Emous, Wageningen Livestock Research
- **Feather-pecking in layers: nutritional solutions**
A.J.W. (Annemarie) Mens MSc, Wageningen University & Research
- **Feeding laying hens in an extended laying cycle**
Dr E. (Evelyne) Delezie, Research Institute for Agriculture, Fisheries and Food
- **Inspiration dinner: Algae and insects: future for poultry**
Dr T. (Teun) Veldkamp, Wageningen Livestock Research

Day 2: Thursday 25 November 2021

- **Nutriënts, microbiota and immunity**
Prof. R. (Richard) Ducatelle, Ghent University
- **Coarse and wet diets: a unique combination for (particularly) young poultry**
Dr R.P. (René) Kwakkel, Wageningen University & Research
- **Feed additives to replace antibiotics**
Prof. G.P.J. (Geert) Janssens, Ghent University
- **Minerals and in particular calcium and phosphate in feed: effects on technical results**
Dr H. (Henk) Enting, Cargill
- **Precision feeding: challenge for the future**
Dr L. (Laura) Star, Schothorst Feed Research
- **Meet the young researchers**
Emily, Miranda, Lotte, Jesse

Day 3: Friday 26 November 2021

- **Chick development in relation to (hot) climate**
Dr Y. (Yael) Noy, Miloubar
- **Intermezzo Wageningen Campus Tour**
- **Vitamin nutrition with special emphasis on hot climate conditions**
Dr A.K. (Arie) Kies, ArieKiesAdvies, The Netherlands / guest researcher, Wageningen University (Wageningen University & Research)
- **Basis of thermoregulation and physiological responses of poultry upon climate stress**
Prof. J.G. (Johan) Buyse, Katholieke Universiteit Leuven
- **Evaluation of nutrients and recommendations for usage of feed ingredients in hot climate**
Dr A. (André) Steentjes, Veterinary Centre Someren

Practical information



€ 1795.- per person and covers tuition, course materials, lunch and refreshments.



Between 15 and 30 participants/
Max. 30 participants.



Based on your attendance you will receive a certificate after the programme is finished.

Registration

Enrollment is possible until 22 October 2021, or if the maximum number of participants is reached. Register via www.wur.eu/academy.

[Register](#)

Wageningen Academy

We develop and organise courses for professionals, based on Wageningen University & Research expertise.

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tomorrow's business