

Course

Incubation Biology and Hatchery Management

What is the best way to store and treat eggs before incubation? How does incubation temperature influence the development of the embryo? What are the best practices during the hatching phase? In the last two decades knowledge about incubation has increased, but still numerous new questions and doubts are present. In the course 'Incubation biology and hatchery management', new insights from research and developments in the field are presented. The programme is an excellent opportunity to deepen your knowledge and understanding of incubation biology and hatchery management

Target group

The course is aiming at enriching knowledge of professionals (academic level) and is intended for hatchery managers, poultry biologists, incubator manufacturers, engineers, poultry breeding companies, technical managers of poultry integration companies, veterinarians, researchers and teachers in poultry science. Furthermore, participants from the supplying industry and governments are welcome in this course.

Results

After completing the course, you are updated with the latest scientific insights regarding best practices of incubation biology and hatchery management. You will be able to apply them in your daily practice as the knowledge is translated into practical applications.

Date 20, 21 March 2023

Location Wageningen

Course leader Dr Henry van den Brand, WUR
Dr Ron Meijerhof, Poultry
Performance Plus

Outline and topics

The course includes a variety of presentations spread over two consecutive days. The topics are introduced by a number of experts. There will be sufficient opportunity for discussion. In this course we will pay attention to the following subjects:

- Important phases of embryonic development
- Pre-incubation and storage factors of eggs
- Incubation temperature during the setter and the hatching phase and consequences for later life
- Alternative hatching systems and early nutrition
- Hatchery hygiene
- Hatchery automation and chick handling
- In ovo sexing technologies and their compliance with industry requirements
- Handling and analysing hatchery data



Programme

Day 1: Monday 20 March 2023

- **Introduction incubation biology and management**
Dr ir Henry van den Brand, Wageningen University & Research
- **Important phases of embryonic development from fertilization to hatch**
Lotte Hebbink MSc, PasReform BV
- **Hatching egg management**
Dr ing Ron Meijerhof, Poultry Performance Plus
- **Pre-incubation and storage factors for incubation eggs**
Dr ir Henry van den Brand, Wageningen University & Research
- **Physics of incubation**
Dr ing Ron Meijerhof, Poultry Performance Plus
- **Incubation temperature during the setter and hatcher phase**
Dr ir Henry van den Brand, Wageningen University & Research
- **Hatchery automation and chicken handling**
Drs Wessel Swart, CEVA

Day 2: Tuesday 21 March 2023

- **Consequences of incubation settings for later life**
Dr ing Ron Meijerhof, Poultry Performance Plus
- **Alternative hatching systems and early nutrition**
Dr ir Henry van den Brand, Wageningen University & Research
- **(In ovo) vaccination in the hatchery**
Dr Pieter Kühne, Hipra, Technical Services Poultry & Rabbits Netherlands
- **In ovo sexing technologies and their compliances with the poultry industry requirements: insights from 1907 until 2022**
Ir Matthias Corion, University of Leuven
- **Hatchery hygiene**
Dr Roos Molenaar, Wageningen University & Research
- **Handling and analysing hatchery data**
Dr Nick French, Consultant

Practical information



€ 1295,- per person and covers tuition, course materials, lunch, refreshments and dinner day 1.



Max. 25 participants.



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

Registration

Enrollment is possible until 27 February 2023, or if the maximum number of participants is reached. Register via www.wur.eu/academy.

[Register](#)

Wageningen Academy

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

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