Education and training

The following are listed to assist students and intending students around the world, however no judgement has been made by the World's Poultry Science Association or the World's Poultry Science Journal on the value of the courses or education materials offered.

13-15 May 2012
Wageningen, The Netherlands
International Postgraduate Course
Incubation Biology and Management
Prospects for improved performance

Introduction

New questions, doubts and facts are questioning common practice
The incubation conditions resulting in the highest hatching percentage of fertile eggs were largely determined and studied on an empirical basis more than half a century ago; these conditions have remained unchanged and unchallenged with few exceptions until now. But recently new questions, doubts and facts are questioning the common practice of incubation.
• The increase in size of incubators has increased the variability of conditions within them, so the tolerance zone within which variables may fluctuate during development without harmful effects on hatchability has become more important.
• Physical conditions during incubation were, and are still set in order to obtain maximal hatchability; however, it may be questioned if this is always the best indicator for all other parameters, including chick quality, post hatching viability, growth, feed conversion, carcass quality etc.
• More knowledge has been acquired about the biological processes during embryogenesis. Some biological parameters during development may be used more frequently as an input in order to adapt and refine the controlling physical conditions, instead of using a purely empirical or unilateral approach based only on hatching percentage. In view of the rapid development of sensors of all kinds and other technical fine-control adjustments, this possibility should be given more consideration than at present.
• Although holding and incubation conditions have hardly changed during the last half century, it does not mean that chickens have not changed. It may be asked if the tremendous progress in selection methods and the specialization in selection
objectives have altered the optimal range of conditions of incubation.
• Embryogenesis starts at the moment of fertilization which means that not all environmental conditions are under human control. Hence the embryo development may be influenced by oviductal transit time and by other factors such as the hen's age and body temperature, resulting in variable developmental stages at the moment of oviposition. Moreover, duration of holding eggs before incubation starts is another variable factor influencing subsequent embryo development. This often is not taken into account in establishing incubation conditions and management in the hatchery.
Spectacular and renewed interest All these questions, facts, doubts and hypotheses have stimulated a spectacular and renewed interest in incubation research and in its practical implications.

Focus on opportunities for improving performance
Therefore it is more than appropriate to focus on all mentioned aspects in an international course on Incubation Biology and Management; prospects for improved performance and its mutual interaction.

Target group
Hatchery managers, poultry biologists, incubator manufacturers, engineers, poultry breeding companies, technical managers of poultry integration companies, veterinarians, researchers and teachers in poultry science are invited to this course.

Course leader
Prof.Dr. E. Decuypere (Katholieke Universiteit Leuven, Faculty of Bioscience Engineering, Department of Biosystems, Heverlee, Belgium)

Course fee
Fee of € 1.695 covers tuition, course materials, full board and lodging throughout the course.
No financial assistance is available.

Hotel accommodation
The course fee covers hotel accommodation.

Registration
We recommend course participants register before 2 April 2012. Information on the programme and invoice will be sent soon after this date by e-mail. A letter of confirmation will also be sent.

For more information please contact
Mrs Sanne van Deursen, MSc, programme manager
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Wageningen University and Research Centre
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Registration
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6700 AE Wageningen, The Netherlands
Phone: +31-317-484093
E-mail: info.wbs@wur.nl

Online registration:
www.wbs.wur.nl

14-18 May 2012: International Course on Poultry Production
18-19 May 2012: Feed Manufacturing Short Course

North Carolina State University, Raleigh, NC. USA
Department of Poultry Science – Cooperative Extension

Unique training for the international poultry industry with emphases on breeders, incubation and hatchery management, nutrition and feed mill technology, grow out of broilers and turkeys, environment, health and welfare.

Registration: January 2 to April 8, 2012.

Contact:
Dr. Edgar O. Oviedo for additional information.
Department of Poultry Science. Scott Hall O-239
Phone: +1 (919) 515 5391
Fax: +1 (919) 515 7070
E-mail: edgar_oviedo@ncsu.edu

Information and Pre-registrations at:
http://www.ces.ncsu.edu/depts/poulsci/international_course.html

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University of Glasgow
Egg and egg quality workshops

1 or 2 day workshops providing basic information and practical training on the assessment and factors affecting egg and eggshell quality.

Designed to take the 'science to the industry' these workshops can be held either 'in house' allowing for a larger audience or hosted by the University of Glasgow Veterinary School (limited spaces).

Contact:
Dr Maureen Bain, Avian Biology Laboratory, ICM, University of Glasgow Veterinary School, Bearsden, Glasgow G61 1QH
Phone : +44 0141 330 5719
E-mail : M.Bain@vet.gla.ac.uk

Colorado State University, USA
Correspondence Courses in Poultry Science and Production

Contact:
Dick Thomas, Program Coordinator, Division of Continuing Education, Colorado State University, Rockwell Hall, Fort Collins, Colorado 80523, USA

Avian Science Research Centre (ASRC), SAC, Ayr, UK
Poultry studies at SAC

Staff at SAC's ASRC are involved in teaching but also in providing an innovative research and development service for the poultry sector and government and an international consultancy service. This means that as a student at SAC you are taught by a team of staff that will provide you with up-to-the-minute information and insight into the commercial world beyond the College environment. We believe that no other education institution can offer this combination of expertise and experience.

The courses outlined below can be studied on a full-time, part-time and distance learning basis and individual modules can be taken as part of CPD programme.

Undergraduate Courses

SAC offers the following new undergraduate poultry programme, which has been devised in conjunction with the poultry industry:

Higher National Certificate (HNC) in Poultry Production – 1 year (FT)

Part-time study on all courses is possible.

SAC's poultry programme has one of the highest proportions of overseas students, with approximately 40% of the enrolled students over the last 5 years from outside the UK. So no matter where in the world you want to work our programme content ensures that your qualifications will be just as relevant.

Postgraduate Courses in Poultry Science

SAC offers the following postgraduate qualifications validated by the University of Glasgow as part of a flexible distance learning programme specifically tailored to meet your needs:

Postgraduate Certificate Applied Poultry Science – awarded for completion of any 4 poultry modules from the list below.

Postgraduate Diploma Applied Poultry Science –

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awarded for completion of all modules from the list below.

MSc Applied Poultry Science – awarded for completion of all modules from the list below plus the successful completion of a Research Project and Dissertation.

Poultry Production Systems, Poultry Health & Hygiene, Advanced Nutrition, Housing & Environmental Issues for the Poultry Industry, Poultry Nutrition and Growth, Incubation & Hatchery Practice, Poultry Behaviour and Welfare, Experimental Design, Data Analysis and Interpretation, Management skills.

Poultry Training courses and SVQ/NVQ Assessments in Poultry Production are also available from SAC.
To discuss any aspects of the above or to request information on any of our courses, please contact:

Mrs Lorraine Hannah, Life Science Teaching Group, Avian Science Research Centre, SAC Auchincruive, AYR, KA6 5HW, United Kingdom
Phone: +44 (0)1292 525118
E-mail: lorraine.hannah@sac.ac.uk

University of Georgia Cooperative Extension Service
Educational materials

A range of items including bulletins, posters, slide sets, films/video films and computer programmes is available from the Poultry Science Department.

Contact:
Cooperative Extension Service A-V Library, Hoke Smith Building, The University of Georgia, Athens, GA 30602, USA

University of Bristol, Langford, UK
MSc Meat Science course, one year full-time (1 October - 30 September) with part-time and distance learning options

A unique training course for students with a basic understanding of science who are seeking a career in the increasingly technical meat industry. The modular format includes poultry production and processing.

Contact:
Dr P.R. Sheard, University of Bristol, Division of Farm Animal Science, Langford, Bristol
BS40 5DU, UK
Tel.: +44 (0) 1179 289240
Fax: +44 (0) 1179 289324
E-mail: peter.sheard@bristol.ac.uk
http://www.vetschool.bris.ac.uk/courses/msc

University of Melbourne, Australia
Interested in studying Avian Health?

Online Distance Education Courses available from the University of Melbourne, Faculty of Veterinary Science

Postgraduate Certificate in Avian Health
Master of Avian Health and Medicine

For more information visit: www.avianhealthonline.vet.unimelb.edu.au

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Texas A&M University, USA
On-Line Masters Degree in Poultry Science and
On-Line Continuing Education Courses

The Poultry Science Department at Texas A&M University is now offering an on-line education programme. The programme consists of individual courses which can also be organized into a degree programme for a Masters degree. The courses are offered completely on-line so the degree is available at your convenience, perfect for someone who wants to further their education but wants to keep their job or cannot come to the University. Streaming internet technology allows you to experience the classroom atmosphere. Many employers pay the cost too. The Masters degree is a non-thesis, professional degree consisting of 36 credits and emphasizing problem solving skills and the practical aspects of academic coursework. Degree plans are individualized for your interests and needs from our comprehensive list of poultry and related course offerings. Emphasis areas for degrees include:

- live production (nutrition, physiology, diseases, waste management, etc.)
- nutrition (nutrition, feed formulation, vitamins, minerals, etc.)
- processing/food safety (poultry processing, microbiology, HACCP, etc.)
- poultry health (physiology, poultry diseases, poultry virology, immunology, etc.).For further information visit: http://posc.tamu.edu

Or contact Liz Hirschler, Poultry Science Distance Education Coordinator at lhirschl@poultry.tamu.edu or by calling +1 979-862-7694

Poultry continuing education

A group of poultry and education specialists with many years experience working in Latin America (Dr Mario Plano, Dr DiMatteo and Dr Ana Andrada), offer these three-month diploma courses by e-mail, for plant managers, flock servicemen, veterinarians and others. A formal education is not required.

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The courses are available in three modules:

1. Embryology for embryo diagnosis.
2. Embryo diagnosis.
3. Newly hatched chick pathology.For more information: http://www.poultryedu.net

E-mail: cmp1@sinectis.com.ar

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