

Ministry of Higher Education and Scientific research



**Department of Animal Resources  
College of Agricultural engineering sciences**

**University of Salahaddin- Erbil- Iraq**

**Subject: POULTRY MANAGEMENT**

**First SEMESTER**

**Course Book – (Stage 3)**

**Lecturer's name:**

**Theory; Assist Prof Dr. Tahsin Sady**

**Dr. Alaa Abdulmajeed**

**Practical; Mrs. Ayhan Jala & Mrs. Lina**

**Academic Year: 2022/2023**

### Course Book

1. Course name	Poultry Management
2. Lecturer in charge	Assist Prof. Dr. Tahsin Sady Hussen Dr. Alaa abdulmajeed mustafa
3. Department/ College	Animal Resources Department / Agricultural engineering sciences
4. Contacts	E-mail: <a href="mailto:tahsin.baker@su.edu.krd">tahsin.baker@su.edu.krd</a> Tel: 07504682883 E- mail <a href="mailto:alaa.mustafa@su.edu.krd">alaa.mustafa@su.edu.krd</a> Tel. 07504967737
5. Time (in hours) per week	Theoretical : 2 Practical: 3
6. Office hours	5 days a week
7. Course code	
8. Teacher's academic profile (Dr. tahsin)	<p>I am a PhD holder in animal husbandry (poultry environment) for the year 1986 at the University of (ION IONESCU DE LABRAD- IASI- ROMANIA)</p> <p>I was employed in the Institute in 1989 and in 1992 transferred to the University of Dohuk and at establish the College that time I was assigned to of Agriculture in (Sumael -Dohuk) and then in the year 1993 under the social condition I transferred to (Salahaddin University Faculty of Science) then a signed to establishment the Faculty In 1996 of Agriculture in Slahdin University. I got position of Assist. Dean and the decision of the Council of the College and in 1997 I traveled to Britain. and then I start back my job at the College of Agriculture in 2010, the Department of Animal Resources as PHD,</p> <p>Because we needed research in (poultry breeding) we decided to Reconstruction, repair and renovation poultry Hall in Grdarash farm so we started to do about six researches with Our PHD colleagues and about ten M.SC colleagues.</p> <p>And now, I got posjtion assist. Prof Dr.</p>
9. Keywords	Assist prof. Dr. Tahsin (Poultry Management& Poultry Nutrition). Dr. Alaa (poultry management & avian physiology)

## **10. Course overview:**

The importance of studying this subject is to teach students manage poultry on a small or large scale, and for production of eggs, meat or young birds. Students will become skilled in all aspects of poultry care and management, including: terminology, breeds, nutrition, disease, layers, broilers, incubation, brooding, record-keeping, economics and marketing. Poultry been on the earth for over 150 million years, during back to the original (Wild Jungle Fowl). Chicken been domesticated, offered them good environment and management. Poultry production is part of the animal production, which give the human large source of animal protein. The poultry is the main source to produce eggs and meat, with the high feed efficient and easy in digested and rich in feed material. The poultry have good ability to convert the food substance which do not been used by human food to useful protein for human feeding such as eggs and meat. The primary purpose of poultry industry is to produce inexpensive source of protein for human consumption. The number of eggs per layer has increased from 227 eggs per hen in 1973 to 257 in 2000. In the broiler industry before 1940, the broiler chicken body weight was not more than 1500 g at marketed age at 16 weeks or 112 days. In 1976 chicken body weight was not more than 2000g at the age of 63 days. In year 2006 the average body weight for male and females was 3052g at 49 day (7week). There is a boom now, in large growth speed today, the broiler chicken is being reared to heavier weight and is marketed at less than 36 days (6week).

## **11. Course objective:**

Goals of the theoretical Section of Poultry management as follows:

To inculcate students, farming skills of poultry farming and management+ Free-Range.

To stimulate student poultry project development (The Laying Flock)- (Broilers) (Turkey)-(Waterfowl)- Game Birds) and other poultry project (Pigeons and Guinea fowl).

To prepare student for future studies, in poultry and produce prospective future poultry farming.

Give a basic outline for poultry management to produce meat and eggs.

To stimulate and sustain students interests in raising poultry.

To enable students, acquire basic knowledge and practical skills in rearing poultry produce meat and eggs.

Explain the concept of flock health management and give specifics regarding poultry house management.

Inform student about poultry house- (Floor Housing). And (Cage Housing).

Explain the nutritional benefits of various poultry products for humans.

## **12. Student's obligation**

The student commitment to the presence in the lecture before entering the lecture.

Commitment and focus silently during the performance of lecture.

Commitment exam after four lecture and two reports must be submitted within one year.

## **13. Forms of teaching**

I use the projector to display my objectives by power point, sometimes we need to write some information on the white board to clarify it. I will give all my objectives on the word paper to my students.

#### **14-Assessment scheme**

- **Written tests (1 × 15%) = 10%**
- **Quiz/attendance (5 × 2%) = 5%**
- **Written final examination (1 × 15%) = 15%**  
**= 50% total theory**
- **Written tests (1 x 30%) = 30%**
- **Quiz/attendance and Reports = 5%**
- **Written final examination (1 x 35%) = 35%**  
**= 35% total practical**

#### **15. Student learning outcome:**

**We with students should make every effort to improve skills as much as possible and heavily focused on technical knowledge of different aspects of poultry science.**

**We should be familiar with as many of these aspects.**

**Poultry course should have a balanced combination of scientific and industry-oriented content. The poultry industry currently seems to be focusing less of technical skills and more on abilities such as people and business skills. Students should try to develop these skills to remain competitive in the job market.**

**The business, economic and social science is of critical importance to better understand the intricacies of the poultry industry epically when it comes to decision making at production and marketing.**

**Students as leaders of tomorrow will also be evaluated based on their personal characteristics such as integrity, keenness, willingness to accept responsibility, and their ability to make meaningful decision while working as a team member with other. We need to realize that our decisions made at any stage of life may not always be correct. Everybody makes mistakes and this is an undeniable reality of life. However, it is very important that we learn form our mistakes.**

**16. Course Reading List and References:**

Reference Title	Author(s)	Year	Library code
Free-Range Poultry	Katie Thear	1997	
Poultry Breed and Management	David scrivener	2008	
Raising Poultry	Leonard S. Merica	2003	
The poultry Science	L. C. R. Norros Elye	2008	
The Poultry Farmers and Managers Veterinary Hand book	Peter Wlaing	2003	
<a href="http://www.poultry.com">www.poultry.com</a>	Web site		
<a href="http://www.syriavet.com">www.syriavet.com</a>	Web site		
<a href="http://www.kananaonline.com">www.kananaonline.com</a>	Web site		
British Wild Life	Miles Keily	2013	
Manual De Cresterea Pasarilor	Laurence Beeken	2010	
Cobb-vanterss.com Breeder Management Guide	Web site	2008	

**17. The Topics:**

Week	Course Subject	Course Objective	Lecturer's name Dr. Tahsin+ Dr. Alaa.
1.	Introduction	Introduction of commercial poultry husbandry,  the basic management of poultry development & physical assessment of birds	

2.	<b>Poultry house requirement</b>  <b>1-Temperature</b>          <b>2-Humidity</b>	<b>Factors influencing poultry production.(Temperature)</b>  <b>Effect of low temperature</b>  <b>Effect of high temperature</b>  <b>Humidity</b>  <b>Effect of low humidity</b>  <b>-Effect of high humidit. --</b> <b>_Method to reduce moisture in the poultry house.</b>	
3.	<b>Poultry house requirement</b>  <b>3- Ventilation</b>	<b>-Types of ventilations. --</b> <b>Poultry ventilation benefits.</b>  <b>-Methods to reduce moistur by Ventilationin poultry house. -</b> <b>_Air the main contamination of air with Dust.</b> <b>-Natural Ventilation OpenSide</b>  <b>-Mjnjmum Ventilation H2</b> <b>-Transitional Ventilation</b>  <b>-Tunnal Ventilation.</b>  <b>-Bird Behavior in Tunnel</b>  <b>-Tunnel Ventilation Settings</b>	
4.	<b>Poultry house requirement</b>  <b>4- Lighting and stock density</b>	<b>Lighting during Bruding</b>  <b>-Lighting programs and - -</b> <b>stock density determiniation.</b>	
5.	<b>Poultry house requirement</b>  <b>5- Feeding Programs and manufacturing</b>	<b>Broiler breeder Nutrition:- -</b> <b>Feed in take –Energy-Protein-Amino acid –Micromjnjral-Vitamin.</b>  <b>Starter- Grower-Finisher</b>  <b>Processing feed</b>	

6.	<b>Breeder Management</b>	<p><b>For partitioning the breeder house</b></p> <p><b>Goals of breeding during the period of growth for the breeders flock.</b></p> <p><b>Administrative procedures required to achieve the targets.</b></p>	
7.	<b>Poultry Health and Biosecurity</b>	<b>Hygiene Management</b>	
8.	<b>Waste Management</b>	<b>Dealing with feces management</b>	
9.	<b>The cost</b>	<b>The cost of poultry production</b>	
10.	<b>Pre-Processing Handling in Broilers</b>	<b>Feed withdrawal, Catching , Transporting , Holding</b>	
11.	<b>Hatchery operation</b>	<b>Location, Egg collection and transporting Management</b>	
12	<b>Visiting poultry farms</b>		
<b>Practical lecture</b>			
<b>1. Introduction about poultry farms and poultry houses different types.</b>			

<ol style="list-style-type: none"> <li>2. Design and distances of poultry houses.</li> <li>3. Litter.</li> <li>4. Nests.</li> <li>5. Roosts.</li> <li>6. Heating System</li> <li>7. Feeders and Drinkers</li> <li>8. Visiting and Working in our poultry houses in the college's farm.</li> <li>9. Cooling system</li> <li>10. Fogging cooling system and positive cooling system.</li> <li>11. Lighting system</li> <li>12. Ventilation system.</li> <li>13. Measuring ventilation requirement in poultry houses.</li> <li>14. The production performance for poultry flocks</li> <li>15. Visiting the broiler breed house to see a type of cooling system and how put the fans by correct way and number.</li> </ol>	
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### 19. Examinations:

In regard to this subject the type of exam will be as follow:

Examples:

- . Explain how or what are the reasons for or explain...?,
- .What is the reason of the .....
- . Define .....? Explain in detail what are the factors which affect the .....
- . Fill in the blanks .....
- . What are the types of .....? Explain one of them.
- . Complete the unwritten in the figure.

### 20. Extra notes:

Here the lecturer shall write any note or comment that is not covered in this template and he/she wishes to enrich the course book with his/her valuable remarks.

### 21. Peer review

### پیداچونہوہی ھاوہل

This course book has to be reviewed and signed by a peer. The peer approves the contents of your course book by writing few sentences in this section.

*(A peer is person who has enough knowledge about the subject you are teaching, he/she has to be a professor, assistant professor, a lecturer or an expert in the field of your subject).*

نہم کورسبووکہ دہییت لہ لایین ھاوہلیکی ئەکادیمیہوہ سہیر بکرنیت و ناوہرۆکی بابہتەکانی کورسەکە پەسەند بکات و جەند وشەپەک بنووسنیت لەسەر شیاوی ناوہرۆکی کورسەکە و واژووی لەسەر بکات.  
ھاوہل ئەو کەسەپە کە زانیاری ھەبیت لەسەر کورسەکە و دہییت پلەہی زانستی لہ ماموستا کەمتر نەبیت.