Course Description Form

1. Course Name:
Poultry production and management
2. Course Code:
POPM406
3. Semester / Year:
first semester/ 2024-2025
4. Description Preparation Date:
15/1/2025
5. Available Attendance Forms:
Full time (theoretical lecture + practical) weekly
6. Number of Credit Hours (Total) / Number of Units (Total)
(2 theoretical + 3 practical weekly for (15 weeks) / Number of Units (3.5 units)
7. Course Administrator's Name (Mention All, If More Than One Name)
Name: prof. Ammar Talib Dhiab **Email: ammaraltememy@uodiyala.edu.iq**
8. Course Objectives
• The student gets to know the concept of poultry management • The student classifies poultry on the basis of production, age, and appropriate conditions for rearing • The student distinguishes between poultry management in the modern era and its management in the past, and the difference in management programs between the past and the present. • The student learns how to manage laying hens and broilers and the difference in rearing requirements between the two • The student learns how to create halls for raising poultry and the appropriate equipment for raising such as heat, humidity, lighting, and ventilation.

9. Teaching and Learning Strategies

1- The student gets to know the concept of poultry management
2- The student should classify poultry on the basis of production, age, and appropriate conditions for rearing
3- The student should distinguish between poultry management in the modern era and its management in the past, and the difference in management programs between the past and the present.

10. Course Structure

Theoretical part

Week	Hours	Required learning outcomes	Unit or Subject	Learning Method	Evaluation Method
1	2	Digestive system in poultry	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
2	2	How to formulate broiler feed	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
3	2	Calculating the protein and energy ratio of food materials	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
4	2	Evaluating the productive performance of the flock	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
5	2	The most important diseases that broiler farms are exposed to and how to prevent them	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
6	2	The embryonic stages that chicks go through in the hatchery	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
7	2	Calculating the number of lamps and pullers required in broiler halls	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
8	2	How to establish and equip breeding halls with laying hens	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
9	2	How to establish and equip production halls with laying hens	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
10	2	How to calculate production and feed consumption in laying hens	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
11	2	Methods of conducting egg quality characteristics	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports

12	2	Cooling systems used in laying hens farms	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
13	2	Incubation systems used in poultry	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
14	2	How to perform the beak trimming process in laying hens	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
15	2	How to perform the sexing process in chickens	Poultry production and management	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily reports
Practical part					
Week	Hours	Required learning outcomes	Unit or Subject Name	Learning Method	Evaluation Method
1	3	The most important breeds of broilers suitable for breeding	Poultry diseases	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
2	3	How to transfer chicks from the hatchery to the field	Poultry diseases	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
3	3	How to prepare the hall to receive chicks	Poultry diseases	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
4	3	The most important nutrients used to feed broilers and types of feed	Poultry diseases	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
5	3	How to calculate energy and protein in feed	Poultry diseases	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
6	3	How to calculate the productive performance of broilers	Poultry diseases	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
7	3	Lighting and ventilation systems for broiler fields	Poultry diseases	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
8	3	Types of laying hens breeds used for breeding	Poultry diseases	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports

9	**3**	**Breeding periods for laying hens**	**Poultry diseases**	**Observation Dialogue & discussion**	**Daily, monthly and final exams and daily reports**
10	**3**	**How to manage laying hens during the productive period**	**Poultry diseases**	**Observation Dialogue & discussion**	**Daily, monthly and final exams and daily reports**
11	**3**	**Types of feed for laying hens**	**Poultry diseases**	**Observation Dialogue & discussion**	**Daily, monthly and final exams and daily reports**
12	**3**	**How to manage laying hens in hot weather**	**Poultry diseases**	**Observation Dialogue & discussion**	**Daily, monthly and final exams and daily reports**
13	**3**	**The most important diseases that affect poultry**	**Poultry diseases**	**Observation Dialogue & discussion**	**Daily, monthly and final exams and daily reports**
14	**3**	**Preventive programs and vaccinations required during the productive period for poultry**	**Poultry diseases**	**Observation Dialogue & discussion**	**Daily, monthly and final exams and daily reports**
15	**3**	**Types of moulting and its programs and how to manage the flock during the moulting period**	**Poultry diseases**	**Observation Dialogue & discussion**	**Daily, monthly and final exams and daily reports**

11. Course Evaluation

Daily, monthly and final exams and daily reports

12. Learning and Teaching Sources

Required Textbooks (Curricular Books, If Any)	- Poultry production Dr. Suhaib Abdel Razzaq, 1985, Ministry of Higher Education and Scientific Research - University of Baghdad - Management of broiler chickens, written by Dr. Saad Abdul Hussein Naji, 2006, College of Agriculture / University of Baghdad - Technical Bulletin of the Poultry Science Society - Management of laying hens, written by Dr. Saad Abdul Hussein Naji, 2007, College of Agriculture - University of Baghdad - Technical Bulletin of the Poultry Science Society - Management of broiler breeders, written by Dr. Saad Abdul Hussein Naji, 2008, College of Agriculture - University of Baghdad - Technical Bulletin of the Poultry Science Society
Main References (Sources)	

Recommended Books and References (Scientific Journals, Reports...)	Iraqi academic journal
Electronic References, Websites	