

## Course Description Form of Poultry Nutrition

<b>1. Course Name:</b>	
Poultry Nutrition	
<b>2. Course Code:</b>	
PNUT402	
<b>3. Semester / Year:</b>	
First semester/ 2024-2025	
<b>4. Description Preparation Date:</b>	
15/1/2025	
<b>5. Available Attendance Forms:</b>	
Attending	
<b>6. Number of Credit Hours (Total) / Number of Units (Total)</b>	
5 hours (Theoretical & practical) (15 Week) 3.5 units	
<b>7. Course Administrator's Name (Mention All, If More Than One Name)</b>	
Name: Dr. Salah Mahdi Abed Email : <a href="mailto:salahabed@uodiyala.edu.iq">salahabed@uodiyala.edu.iq</a>	
<b>8. Course Objectives</b>	
Course Objectives: Graduating students who are able to:	<ul style="list-style-type: none"><li>* learning about the poultry nutrient, its importance, the digestive system and the functions.</li><li>* The student learns about digestion, metabolism and absorption in poultry.</li><li>* Knowledge of the nutrients included in the composition of the diet and how to benefit from them. * Knowledge of how to diet continent, their types, methods of examination and evaluation.</li></ul>
<b>9. Teaching and Learning Strategies</b>	
Strategy	A (15) week attendance lectures, interspersed with two monthly exams, daily exams & reports.
<b>10. Course Structure</b>	

Theoretical part					
Week	Hours	Required learning outcomes	Unit or Subject	Learning Method	Evaluation Method
1	2	Energy. Its sources Divide them. Factors affecting them	Poultry nutrition	Lecture Dialogue & discussion	Daily, monthly and final
2	2	Proteins, their types and classification the effect of their increase and decrease	Poultry nutrition	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and
3	2	Vitamins, their classification and factors influencing their needs.	Poultry nutrition	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and
4	2	Minerals, classified by the effect of their increase and decrease	Poultry nutrition	Lecture Dialogue & discussion	Daily, monthly and final
5	2	Water, is important for its functions, sources and quality	Poultry nutrition	Lecture Dialogue & discussion	Daily, monthly and final
6	Semester 1 <sup>st</sup> exam				
7	2	Digestion, metabolism and digestive system	Poultry nutrition	Lecture Dialogue & discussion	Daily, monthly and final
8	2	Final products of digestion and factors affecting digestion	Poultry nutrition	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and
9	2	Primary diet materials, their sources and types	Poultry nutrition	Lecture Dialogue & discussion	Daily, monthly and final
10	2	Vitamins, mineral elements and feed additives	Poultry nutrition	Lecture Dialogue & discussion	Daily, monthly and final
11	2	Feed concentrates, Premix and requirements for production	Poultry nutrition	Lecture Dialogue & discussion	Daily, monthly and final
12	2	Diet production, Diet laboratory, importance and departments	Poultry nutrition	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and
13	Semester 2 <sup>nd</sup> exam				
14	2	Laboratory maintenance, formation and synthesis of relays	Poultry nutrition	Lecture Dialogue & discussion	Daily, monthly and final
15	2	Qualitative control and contamination of diet materials, poisoning, types and methods of prevention	Poultry nutrition	Lecture Dialogue & discussion Brainstorming	Daily, monthly and final exams and daily

<b>Practical part</b>					
<b>Week</b>	<b>Hours</b>	<b>Required learning outcomes</b>	<b>Unit or Subject Name</b>	<b>Learning Method</b>	<b>Evaluation Method</b>
1	3	Laboratory safety	Poultry nutrition	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
2	3	Definition of types of diet sources	Poultry nutrition	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
3	3	Energy sources	Poultry nutrition	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
4	3	Protein sources	Poultry nutrition	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
5	3	Sources of mineral elements	Poultry nutrition	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
6	<b>Semester 1<sup>st</sup> exam</b>				
7	3	Types of diet and methods of mixing diet	Poultry nutrition	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
8	3	Broiler Diet	Poultry nutrition	Observation Dialogue & discussion	Daily, monthly and final exams and daily reports
9	3	Laying Diet	Poultry	Observation	Daily,

			<b>nutrition</b>	<b>Dialogue &amp; discussion</b>	<b>monthly and final exams and daily reports</b>
<b>10</b>	<b>3</b>	<b>Breeder diet</b>	<b>Poultry nutrition</b>	<b>Observation Dialogue &amp; discussion</b>	<b>Daily, monthly and final exams and daily reports</b>
<b>11</b>	<b>3</b>	<b>Quail Diet</b>	<b>Poultry nutrition</b>	<b>Observation Dialogue &amp; discussion</b>	<b>Daily, monthly and final exams and daily reports</b>
<b>12</b>	<b>3</b>	<b>Turkey and duck Diet</b>	<b>Poultry nutrition</b>	<b>Observation Dialogue &amp; discussion</b>	<b>Daily, monthly and final exams and daily reports</b>
<b>13</b>	<b>Semester 2<sup>nd</sup> exam</b>				
<b>14</b>	<b>3</b>	<b>use of computer in poultry feeding</b>	<b>Poultry nutrition</b>	<b>Observation Dialogue &amp; discussion</b>	<b>Daily, monthly and final exams and daily reports</b>
<b>15</b>	<b>3</b>	<b>Various Diet examples</b>	<b>Poultry nutrition</b>	<b>Observation Dialogue &amp; discussion</b>	<b>Daily, monthly and final exams and daily reports</b>

### 11. Course Evaluation

**Examination: Monthly & daily exams with discussion questions inside the lecture. The degree of participation in the questions related to the subject.**

### 12. Learning and Teaching Sources

**Required Textbooks (Curricular Books, If Any)**

**(Poultry Nutrition) is authored by A. Dr. Ali Abdul-Khaliq Al-Yassin and A. Dr. Mohammed H. Abdul Abbas, Uni. of Baghdad-Faculty of Agri. Engi. Sci.**

<b>Main References (Sources)</b>	<b>Principle of Poultry Nutrition by Dr. Osama M. al-Husseini and Dr. Salah-Alden Abu Ela, Uni. Of Ain Shams, Faculty of Agri. 2010 ‘</b>
<b>Recommended Books and References (Scientific Journals, Reports...)</b>	<b>Iraqi academic journal</b>
<b>Electronic References, Websites</b>	<b>Websites</b>