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**University of Salahaddin- Erbil**

**College of Agriculture and engineering science**

**Department of Animal Resources.**

**Subject: Elective 1 (Ornamental birds)**

**Course Book – (4th stage) Lecturer's name;**

 **Dr. Alaa Abdulmajeed Mustafa - Lecturer**

 **Dr. Bnar Fouad Sulaiman – Lecturer**

**Academic Year: 2022/2023**

**Course Book**

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| **1. Course name** | **Elective 1 (Ornamental birds)**  |
| **2. Lecturer in charge** | **Dr. Alaa abdulmajeed Mustafa + Dr. Bnar Fuoad Sulaiman** |
| **3. Department/ College** | **Animal resource**  |
| **4. Contact** | **e-mail:** **alaa.mamashy@su.edu.krd****Tel: (optional); 07504967737**  |
| **5. Time (in hours) per week**  | **Theory -2**  |
| **6. Office hours** |  **2** |
| **7. Course code** |  |
| **8. Teacher's academic profile**  | **1- Bsc. in animal resource dept. (2007)****Msc. in avian physiology (2013)****Ph.D in poultry management (2022)****2- Bsc. in animal resource dept. (2007)****Msc. in poultry production (2013)****Ph.D in poultry production (2022)** |
| **9. Keywords** |  |
| **10. Course overview:**  The course intends to introduce students to the scientific study of ornamental birds especially ornamental birds . It covers basics of a range of topics like bird names, management, importance, taxonomy, behaviour, conservation. It is ideal for students pursuing their Bachelors degree in life sciences and for those who want to explore ornithology as a career option. It is also useful for birdwatchers and other enthusiasts from among the larger public who wish to deepen their understanding and appreciation of birds. Deals with many studies, showing by images such as going to Erbil zoo to show the students all ornamental birds.  |
| **11. Course objective:** **Instruction in this lesson should result in students achieving the following objectives:**1- To understand the term of ornithology and ornamental birds.2- To understand anatomical terms to describe each ornamental birds in the world.3- To define and discuss the habit, management, economic, behaviour and production**.** The aim of this course is to study the organs or systems and body parts of poultry that the material studied is very important because the physiology of poultry has to be knowledge and know all the members and parts of the body and to know every part of every part and function of these parts.  An intensive lecture and laboratory course designed to introduce an aspects of avian physiology with particular emphasis on systems and functions related to both egg and meat production including metabolism, circulation, respiration, excretion, neurology, digestion, immunology . Our main objective is to provide for students with both applied (laboratory) experiences. In addition to lecture, also will have multiple opportunities to work with live birds, participate in the design and execution of experiments, collect and analyze data, and appreciate the individual variation that is observed in the biology among animals. |
| **12. Student's obligation** Students in this course should be exposed to thinking and work as group to make communications and also do quizzes before starting the lecture with after all 4 lecture students must do exams. However after doing practical lessons students should prepare reports, essays to assignments them.. |
| **13. Forms of teaching**1-powerpoint.2- White board.3- Pictures, images and videos.4- Scientific visit |
| **14. Assessment scheme**Marks of the Exam: 50 marks midterm + 50 marks final exam50 marks midterm divided to:1- Quiz weekly2- Exam after 4 lecture3- Report  |
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| **17. The Topics:** | **Lecturer's name** |
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| Week 1; Course layout**Week 2:**Introduction to Ornithology; an overview of birdsDefinition of birds with history, Ornithology and Ornithologist.Scientific classification and showing some orders of birds and birds facts with general characteristics of birds.**Week 3:** Ornamental birds, definition, importance, behavior and types; also rearing as pet birds.1- Silkie history and describing the birds male and female . The purpose of rearing as a pet birds. Nutrition and production.2- Pheasants history and describing the birds male and female. The purpose of rearing as a pet birds. Nutrition, production and behavior. **Week 4:** 1-Common Peafowl, Morphological FeaturesAnd different types of peafowl.2- partridge and their scientific classification, then focus on Gray Partridge and their Physical Description, Habitat, Mating System monogamous and Food Habits. **Week 5:** Parrot scientific classification, Parrot Description**,** General Features, Types of Parrots:The different types of parrots are found based on the size they grow and Parrot Species.**Week 6:** Hummingbirds Scientific classification, Common Types of Hummingbirds and Interesting Facts about Hummingbirds.**Week 7:** Ornamental bird toucan, About and description Population & Habitat,PhysicalCharacteristic, Hunting & Diet Reproduction , common species of toucan, Lifecycle, Hunting and some factsabout tucan birdsWeek 8: type of ornamental birds 7- Pigeons : What is pigeon ?Pigeon scientific classificationPigeon facts and physicl characteristicsToday pigeons are bred for: 1. Racing and homing (sporting) 2. Meat production (utility)3. Exhibition (fancy)**Week 9:****Scientific trip to Erbil zoo****To show all types of ornamental birds to the students and explain their habit, nutrition and breeding for each birds.****19. Examinations:****1- Definition.****2- fill in the blanks.****3- Write the and explain****3- Mention the name of ornamental birds on the figures below;**  |  Dr . Alaa  (2 hrs)  Dr. Alaa  (2 hrs)  Dr.Bnar (2hours)  Dr.Bnar (2hourse) Dr.Bnar (2 hourse) Dr.Bnar (2hourse) |
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