1	**Course title**	**Poultry Breeder Production**
2	**Course number**	**632412**
3	**Credit hours**	**3**
	Contact hours (theory, practical)	**(3,0)**
4	**Prerequisites/corequisites**	**Principles of Animal Production (0602101)**
5	**Program title**	**B.Sc. Animal Production**
6	**Program code**	**602**
7	**Awarding institution**	**The University of Jordan**
8	**School**	**Agriculture**
9	**Department**	**Animal Production**
10	**Course level**	**4th year**
11	**Year of study and semester (s)**	**Second semester 2021/2022**
12	**Other department (s) involved in teaching the course**	**None**
13	**Main teaching language**	**English**
14	**Delivery method**	■ Face to face learning ☐Blended ☐Fully online
15	**Online platforms(s)**	■ Moodle ■ Microsoft Teams ☐Skype ☐Zoom ☐ Others……
16	**Issuing/Revision Date**	**5/2/2022**

17. Course Coordinator:

Name: **Prof. Dr. Anas Abdelqader** Office number: **152** Email: **a.abdelqader@ju.edu.jo** Phone number:**22524**	Contact hours: **11.30 – 12.30; 14:30-15:30 (Sun, Tue, Thu), Students are also welcomed at any time but they are encouraged to schedule meetings with me a few hours or 1-2 days in advance.**

18. Other instructors:

Name: Office number: Phone number: Email: Contact hours:

19. Course Description:

The purpose of this course is to study the modern systems of poultry breeder production. The course will provide an overview of breeds and breeding programmers used to produce grandparent and parent stocks. All elements of knowledge needed by students for practical management at field level will be covered like physiology of reproduction, factors influencing egg fertility, hatcheries management, health programs, environmental factors, nutrition and feeding programmers. House designs, construction materials, equipment and proposed layouts for future production systems will be covered. A day-to-day management requirements for chicks, growing pullet, rooster and adult breeders will be covered. The course includes field visits to some poultry breeder farms in Jordan.

20. Course aims and outcomes:

A- Aims:

The purpose of this course is to establish an understanding of the importance of poultry breeders production as a major field of animal production. It focuses on the subjects, which enrich information that leads to increase poultry production of meat, and eggs to provide animal protein for human consumption.

B- Students Learning Outcomes (SLOs):

Upon successful completion of this course, students will be able to:

Program ILOs* / Course SLOs	ILO (1)	ILO (2)	ILO (3)	ILO (4)	ILO (5)	ILO (6)	ILO (7)	ILO (8)
1- Learning the world trends in pure-line, grand-parents, and parent stock production and its genetics impact.	X							
2- Apply the knowledge and reasoning skills to solve the major breeders' management practices.		X						
3- Be able to apply the knowledge to improve the reproduction efficiency						X		
4- Develop knowledge of poultry breeders' farms and hatchery management, housing, brooding and marketing.						X		
5- Learning the nutritional aspects of poultry breeders, breed differences, and various limitations.						X		
6- learning the health management programs and vaccination and the biosecurity processes.						X		

*** Program ILOs:**

ILO (1): Demonstrate a deep understanding of the basic principles in the various areas of livestock production; including nutrition, physiology, genetics, health and management.
ILO (2): Apply the acquired knowledge in various areas of livestock production.
ILO (3): Utilize critical thinking and logical reasoning in addressing issues related to livestock production.
ILO (4): Communicate effectively with a wide range of related stakeholders and provide appropriate extension services.
ILO (5): Apply the principles of public safety and environmental protection.
ILO (6): Acquire and apply practical skills along with keeping up with recent advances in livestock production.
ILO (7): Identify basic principles of research methodology and evidence-based decision making.
ILO (8): Abide by the professional, ethical and legal considerations relevant to the livestock production.

21. Topic Outline and Schedule:

week	Lectures	Topic	Intended Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1,1.2, 1.3	Introduction	1	Online	MS Teams + Moodle	Synchronous	Assignment, Report & quizzes	Chapter 1 in Leeson and Summer, 2009
2	2.1, 2.2, 2.3	Genetics and strain	1,2	Online	MS Teams + Moodle	Synchronous	Assignment, Report & quizzes	Chapter 1 in Leeson and Summer, 2009
3	3.1, 3.2, 3.3	Breeding programs	1,2	Online	MS Teams + Moodle	Synchronous	Assignment, Report & quizzes	Chapter 1 in Leeson and Summer, 2009
4	4.1, 4.2, 4.3	Reproduction management	2,3	Online	MS Teams + Moodle	Synchronous	Assignment, Report & quizzes	Chapter 2 in Leeson and Summer,

								2009
5	5.1, 5.2, 5.3	Incubation and hatchery management	2,3	Online	MS Teams + Moodle	Synchron ous	Assignment, Report & quizzes	Chapter 2 in Leeson and Summer, 2009
6	6.1, 6.2, 6.3	Lighting	3,4	Online	MS Teams + Moodle	Synchron ous	Assignment, Report & quizzes	Chapter 3 in Leeson and Summer, 2009
7	7.1, 7.2, 7.3	Health management	6	Online	MS Teams + Moodle	Synchron ous	Assignment, Report & quizzes	Chapter 4 in Leeson and Summer, 2009
8	8.1, 8.2, 8.3	Vaccination management	6	Online	MS Teams + Moodle	Synchron ous	Assignment, Report & quizzes	Chapter 4 in Leeson and Summer, 2009
9	9.1, 9.2, 9.3	Nutrition	5	Online	MS Teams + Moodle	Synchron ous	Assignment, Report & quizzes	Chapter 5 in Leeson and Summer, 2009
10	10.1, 10.2, 10.3	Feeding programs	5	Online	MS Teams + Moodle	Synchron ous	Assignment, Report & quizzes	Chapter 5 in Leeson and Summer, 2009
11	11.1, 11.2, 11.3	Environmental control and house management	2,4	Online	MS Teams + Moodle	Synchron ous	Assignment, Report & quizzes	Chapter 6 in Leeson and Summer, 2009
12	12.1, 12.2, 12.3	Environmental control and house management	2,4	Online	MS Teams + Moodle	Synchron ous	Assignment, Report & quizzes	Chapter 6 in Leeson and Summer, 2009
13	13.1, 13.2, 13.3	Brooding and management of the growing	2,4	Online	MS Teams + Moodle	Synchron ous	Assignment, Report & quizzes	Chapter 7 in Leeson and

		pullet						Summer, 2009
14	14.1, 14.2, 14.3	Brooding and management of the growing rooster	2,4	Online	MS Teams + Moodle	Synchron ous	Assignment, Report & quizzes	Chapter 7 in Leeson and Summer, 2009
15	15.1, 15.2, 15.3	Management of adult breeders	2,4	Online	MS Teams + Moodle	Synchron ous	Assignment, Report & quizzes	Chapter 8 in Leeson and Summer, 2009

22. Evaluation Methods:

Opportunities to demonstrate achievement of the SLOs are provided through the following assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	SLOs	Period (Week)	Platform
Quizzes	15%	Discussions and answering questions raised during the lectures	See the students learning outcomes (SLOs) table	Throughout the semester	Face to Face
Assignments	15%	Assignments give to solve related problems		Throughout the semester	Face to Face
Midterm Exam	30%	Topics covered until the end of week 7		9	Face to Face
Final Exam	40%	All covered topics		According to admission and registration unit	Face to Face

23. Course Requirements

Students should have a computer, webcam, internet connection, account on a specific software/platform…etc.):

24. Course Policies:

A- Attendance policies:

Each student is expected to take their own notes (part from the exam) and to attend class. Absence from lectures shall not exceed **15%**. Students are expected to attend all lectures but if a student is absent from class, it is his responsibility to get the material that was missed. You must get any handouts or notes from your classmates.

B- Absences from exams and submitting assignments on time:

Exams will consist of **multiple choice and some Essay questions**. Exams will cover all material presented for each section. Make-up exams will only be provided for students with an excused absence and supporting documentation. The questions and/or format of any make-up exam may differ from that of the original exam. Scheduling of a make-up exam will vary depending upon available dates/times but **MUST** occur before the next-scheduled exam date.

C- Health and safety procedures:

Students should follow the Jordanian government guide

D- Honesty policy regarding cheating, plagiarism, misbehavior:

Academic dishonesty will **NOT** be tolerated. This includes cheating, fabrication or falsification, plagiarism, abuse of academic materials, complicity in academic dishonesty, falsifying grade reports, and misrepresentation to avoid academic work. For this course, evidence of any form of academic dishonesty will result in all involved students receiving zero points for any associated exam, or assignment

E- **Grading policy:**

Quizzes	10%
Assignments	20%
Mid-exam	30%
Final Exam	40%
Total Points	**100%**

F- **Available university services that support achievement in the course:**

Students account on E-learning, and Microsoft teams

25. References:

1- Broiler Breeder Production, by Leeson and Summer, 2009 2- Poultry Science, C. Scanes, B George, and M. Ensminger, 4th edition, 2004, Pearson Prentice Hall, USA. 3- Poultry Production, R.E. Austic and M. C. Nesheim, 1990, Lea and Febiger, USA.

26. Additional information:

Name of Course Coordinator Prof. Dr. Anas Abdelqader Signature: ---------- Date: 10/2/2022
Head of Curriculum Committee/Department: ---------- Signature: ----------
Head of Department: ---------- Signature: ----------
Head of Curriculum Committee/Faculty: ---------- Signature: ----------