



KAFR ELSHEIKH UNIVERSITY

FACULTY OF VETERINARY MEDICINE

DEPARTMENT OF ANIMAL WEALTH DEVELOPMENT

Course report **(2015 / 2016)**

A - Basic Information:

- 1- Course title: **Animal, Poultry and Fish Breeding and Production (A,B)**
- 2- Academic Year: **2nd year of B. V. Sc. Programme**
- 3- Total teaching hours: 150 hrs
Lectures: **90h**
Practical: 60 h
- 4- Basics of examiner committee formation: **formation of examiner committee by the board of department and the approval of the faculty council**
- 5- External evaluation for exam available (☒) not available (☐)
- 6- Number of teaching staff **2**

B- Specialized information

1- Statistical Information

	Number	Percentage (%)
No. of students attended the course	270	100%
No. of students completed the course	270	100%
Passed students	242	89.6%
Failed students	28	10.4%
Grading of successful students		
Excellent	4	1.65%
Very good	41	16.9%
Good	56	23.15%
Passed	141	58.26%

2- Course teaching

<p>Topics were actually taught</p>	<p><u>First semester topics</u></p> <p><u>Introduction:</u> Introduction to farm animals livestock sector in Egypt, breeds of cattle, sheep, goats and poultry, products of farm animals (meat, milk, eggs, wool), basic concepts in genetic improvement</p> <p><u>Poultry production</u></p> <p>Poultry Houses types, Designs and Environments.</p> <p>2-Maintaining hatching egg quality</p> <p>Operating the Hatcheries & Environments of Artificial Incubation .</p> <p>4- Brooding principles and Management of layer and breeder chicks.</p> <p>Management of growing pullets</p> <p>Broiler management to produce high quality broilers at marketing.</p> <p>Layers Management & Judging and preservation of Table Eggs.</p> <p>Lighting management for open and closed poultry house systems.</p> <p><u>Beef cattle production:</u></p> <p>Factors affecting the economics and efficiency of beef cattle production</p> <p>Beef production systems</p> <p>Marketing Beef cattle</p> <p><u>Animal breeding:</u></p> <p>Inheritance of qualitative and quantitative traits</p> <p>Phenotypic variations of economic traits in farm animals and poultry</p> <p>Relationship, Inbreeding and Outbreeding</p> <p>Genetic parameters of the population; heritability, repeatability and correlation</p> <p>Selection principles and Breeding value</p> <p>Genetic improvement in farm animals</p> <p>Breeding for immune responsiveness and disease resistance</p> <p><u>Poultry classifications:</u> Biological classification, Standard classification, Economic classification, Egyptian breeds of chickens</p> <p><u>Biology of domestic fowl:</u> integumentary system, skeletal system, circulatory system, digestive system, immune system, reproductive system and egg formation, egg structure and chemical composition .</p> <p><u>The Timing of Major Embryonic Developments:</u> Egg candling and determination of fertility and abnormal eggs, analysis of poor hatchability</p> <p><u>Principles of Japanese quail:</u> History of Japanese quail, sexing, nutrition requirements, incubation, brooding, housing, lighting management.</p> <p><u>Ostrich production:</u> Products, starting a business, biology, reproduction, incubation and hatching, nutrition, facilities and management, identification, health .</p> <p><u>Turkey production:</u> sexing, nutrition requirements, incubation, brooding, housing, lighting management.</p> <p><u>Duck and geese production:</u> breeds, sexing, nutrition requirements, incubation, brooding, housing, lighting management</p> <p><u>Rabbit production</u> and management: importance, breeds, housing, reproduction, nutrition, health .</p> <p><u>Major breeds of beef cattle</u></p> <p><u>Animal breeding</u></p> <p>Population genetics</p> <p>Factors altering gene and genotypic frequencies (solved problems)</p> <p>Relationship and Inbreeding coefficients (solved problems)</p> <p>Hybrid vigor (solved problems)</p>
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	<p>Genetic parameters (solved problems) Response and Correlated Response to selection (solved problems). <u>Second semester topics:</u> <u>Dairy cattle production :</u> Dairy industry and essentials of establishing a profitable dairy farm Selecting and judging dairy cattle Reproduction and reproductive efficiency in dairy cattle Lactation & Factors affecting milk yield and composition Managing the dry dairy cow Herd health program <u>Sheep and Goat production:</u> Establishing the flock in sheep and goat & Reproductive performance in sheep and goat. Wool and Mohair production & Milk production in sheep and goat. System of sheep and goat production. <u>FISH PRODUCTION:</u> Guidelines for Site selection for aquaculture Selection of species and Culture Systems. Principals of pond fertilization. Aquatic weed control.& clay turbidity. Fish hatcheries. <u>Dairy cattle production :</u> Zoological classification of cattle Major breeds of dairy cattle & Egyptian cattle and buffaloes Mammary gland structure and milk secretion Milking and milking machines Raising dairy calves and heifers Herd records Types and breeds of sheep & goats. Biological characteristics of fish species. Water quality criteria and management. Control of low dissolved oxygen contents. Control of high ammonia contents</p>
% of Topics were actually taught	<p>> 90% <input checked="" type="checkbox"/> 70-90% <input type="checkbox"/> < 70% <input type="checkbox"/></p>
% Commitment with syllabus contents	<p>>85% <input checked="" type="checkbox"/> 60-84% <input type="checkbox"/> <60% <input type="checkbox"/></p>
% Assessment coverage the syllabus topics	<p>>85% <input checked="" type="checkbox"/> 60-84% <input type="checkbox"/> <60% <input type="checkbox"/></p>
Teaching and learning methods:	<p>Lectures: <input checked="" type="checkbox"/> Practical training / laboratory: <input checked="" type="checkbox"/></p>



	Seminar / workshop:	<input checked="" type="checkbox"/>
	Class activity:	<input checked="" type="checkbox"/>
	Case Study:	<input type="checkbox"/>
	Other assignments / homework:	<input checked="" type="checkbox"/>
Weighting of assessments:	Final- term examination	50%
	Oral examination	20%
	Practical examination	20%
	Activites	10%

3-Available facilities for teaching

1.scientific refrences and books	Totally adequate	A dequate to some extent	Inadequate
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.Facilities and teaching materials	Totally adequate	A dequate to some extent	Inadequate
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3-Administrative constraints	▪ Not present		
4-Student evaluation of the course(%)	▪ 67%		
5-Suggestions for improving the course	<ul style="list-style-type: none"> ▪ The course team will allow enough time to discuss the course topics and feedback about examinations. ▪ The faculty administration approved to build a new teaching room for the department. ▪ Laboratory facilities, egg incubators, rabbit cages and other practical equipment are planned to purchase through the CIQAP, and university administration. 		
6-Comments of external evaluator (if present)			
7- What has been implemented for development proposals in the previous year	<ul style="list-style-type: none"> ▪ Trying to increase farm visits and increasing multimedia resources ▪ Improving laboratory facilities, e.g. egg incubators, rabbit 		



	cages.
8- What has not been implemented proposals (What are the reasons?)	<ul style="list-style-type: none"> Improving laboratory facilities, e.g. egg incubators, rabbit cages. <p>It has not been implemented due to financial problems.</p>

9-Action plan for academic year 2016 – 2017

Areas of development	Development specification	Development date	Person responsible
<ul style="list-style-type: none"> practical lectures. 	<ul style="list-style-type: none"> Increase farm visits Increase Improving laboratory facilities, e.g. egg incubators, rabbit cages Improve teaching methods Using Data show 	2016-2017	Prof. Dr. Mohamed Atif Helal

Course coordinator: Prof. Dr. Mohamed Atif Helal

Signature:

Date: / /