



Department of Animal Resource

College of Agriculture

University of Sallahadin

Subject: Dairy Cattle

Course Book – *For example* (Year , 4)

Lecturer's name , PhD MAJED WALY HASSAN

Academic Year: *For example* 2018/2019

Course Book

1. Course name	Dairy Cattle
2. Lecturer in charge	Majed waly hassan
3. Department/ College	Animal Resource
4. Contact	e-mail: majed_waly@yahoo.com Tel: (optional)
5. Time (in hours) per week	For example Theory: 2 Practical: 6
6. Office hours	Availability of the lecturer to the student during the week
7. Course code	
8. Teacher's academic profile	He holds a bachelor's degree in 1990 Mosul University - Faculty of Agriculture - Department of Animal Production He holds a Masters in 2002 Salah al-Din University Faculty of Agriculture - Department of Animal Production He holds a doctorate in 2009 Salah al-Din University Faculty of Agriculture - Department of Animal Production
9. Keywords	Dairy – cow- milk .dry period
10. Course overview:	<p>The cows at the present time from the main producing animals for milk in most countries of the world. Although the buffalo, goats and sheep are the main sources of milk in some Asian and African countries. And livestock production industry depends on the ability of milk animals to produce milk. The progress which gets in the production of milk from these animals make this global industry.</p> <p>Dairy and distributed at the present time in all parts of the world one way or another, but the methods used in production are usually primitive in some areas, and advanced in some other areas. depend the development of the dairy industry in any country on three main factors:</p> <p>1 - market suitable for milk and dairy products.</p> <p>2 - possibilities and training the staff to collect and manufacture and distribution of milk.</p>

3 - continuous supply of milk of good quality.

And these three factors are available at the present time in the main producing countries of the milk. but developing countries to be poor mostly to advanced methods of production and marketing of milk and its products.

11. Course objective:

The dairy cattle and marketing of outstanding issues important to assist them in meeting the needs of humans from animal protein. As well as economic importance for animal husbandry milk and its role in promoting the country's economy. And know reasons of deficit in providing beef through lack of domestic production and processing of these reasons. Clarify the importance of economic dairy cattle in addition to systems husbandry of dairy cattle feeding these animals and fattening . how to set up farms for breeding animals milk and how his upbringing as well as how to balance the diet of milk cows and also curve of milk and types it, as well as knowledge of physiology breast milk ingredients and composition and some behavioral patterns in COWS.

12. Student's obligation

In this section the lecturer shall write the role of students and their obligations throughout the academic year, for example the attendance and completion of all tests, exams, assignments, reports , essays...etc

لیره ماموستا بهر پرسپاریتی قوتابی خویندکار رووندهکاتمه سهبارت به کورسهکه بو نمونه نامادهیونی قوتابیان له وانهکاندا، له تاقیکردنهوهکاندا، راپورت و ووتار نووسین... هتد.

13. Forms of teaching

Data show. Power point.

14. Assessment scheme

2 Examination
Each Examination 10 Degree
Quizzese 5 Degree

15. Student learning outcome:

Students are taught how to work in the fields and how to deal with in every part of the field in terms of the composition of the bush and the process of milking and cleaning the barn, as well as field marketing products

<p>16. Course Reading List and References:</p> <p>1 - milk production 2000 1 - feed and animal nutrition 1986 Journal Dairy Science</p> <p>2 - producing of dairy cattle 1986</p> <p>3 - raising and caring for buffalo 2001</p> <p>4 - feeding farm animals 1999</p> <p>5 - ruminants 1987</p> <p>6 - cows milk 1997</p> <p>7 - milk yield 1998</p> <p>:</p>	
17. The Topics:	Lecturer's name
<p>First week: historical overview and the benefits and disadvantages of dairy cattle breeding and the factors that lead to the success of a project to raise dairy cattle</p> <p style="text-align: center;">Second week: the production of milk and perseverance and modified milk production</p> <p style="text-align: center;">The third and fourth week: Factors affecting milk production.</p> <p style="text-align: center;">Fifth week: mammary gland and the external appearance of the udder and the installation of the udder in cows and blood supply of the mammary gland and it arterial road to the udder.</p> <p style="text-align: center;">Sixth and seventh week: intravenous routes emerging from the udder and the lymphatic system</p>	<p>Lecturer's name</p> <p>ex: (2 hrs)</p> <p>ex: 14/10/2015</p>

<p>and the autonomic nervous system</p> <p>Eighth and ninth week: The importance of hormones in regulating milk yield and growth of udder</p> <p>And changes that occur to the udder during milk production seasons.</p> <p>Tenth week: the composition of milk and secretion it and the installation of colostrum and obstruction of milk secretion .</p> <p>Week Eleventh : the food needs of dairy cattle and balanced diets.</p> <p>Week Twelve: house dairy cattle</p> <p>Thirteen and fourteen week: some behavioral modes in cows.</p> <p>Week fifteen and sixteen: livestock health</p>	
18. Practical Topics (If there is any)	
In this section The lecturer shall write titles of all practical topics he/she is going to give during the term. This also includes a brief description of the objectives of each topic, date and time of the	Lecturer's name ex: (3-4 hrs)

lecture	ex: 14/10/2015
<p style="text-align: center;">19. Typical questions:</p> <p>The first question: Fill in the blanks:</p> <p>1 - And is the period in which they produce milk from cows, which starts from birth and even stop milk production.</p> <p>Second question: Define the following: Lactation Persistency</p> <p>The third question: the ills of the following: 1 - The vaccination at first impact in the production of cows.</p> <p>Fourth question: cow milk produced in the 3,500 kg milk fat 4.2%. What is the amount of milk Average?</p> <p>Fifth question: Link to parts of the image.</p> <p>The sixth question: Explain the external appearance of the udder.</p> <p>Seventh question: stages of growth of the udder.</p>	
<p>20. Extra notes:</p> <p>Here the lecturer shall write any note or comment that is not covered in this template and he/she wishes to enrich the course book with his/her valuable remarks.</p>	
<p>21. Peer review پیداچونہوہی ھاوہل</p> <p>This course book has to be reviewed and signed by a peer. The peer approves the contents of your course book by writing few sentences in this section. (A peer is person who has enough knowledge about the subject you are teaching, he/she has to be a professor, assistant professor, a lecturer or an expert in the field of your subject).</p> <p>ئەم کۆرسبووکە دەبیت لەلایەن ھاوہلێکی ئەکادیمیەوہ سەیر بکریت و ناوەرۆکی بابەتەکانی کۆرسەکە پەسەند بکات و جەند ووشەپەک بنوسیت لەسەر شیاوی ناوەرۆکی کۆرسەکە و واژووی لەسەر بکات. ھاوہل ئەو کەسە یە کە زانیاری ھەبیت لەسەر کۆرسەکە و دەبیت پلە ی زانستی لە مامۆستا کەمتر نەبیت.</p>	