



Department of Animal Resources

College of Agriculture.

University of Salahaddin-Erbil.

Subject: Animal Fiber.

Course Book – (Year 4)

Lecturer's name: SAMIR SADUN SARTIP

Academic Year: 2023-2024

Course Book

1. Course name	Animal Fiber
2. Lecturer in charge	Mr. SAMIR SADUN SARTIP
3. Department/ College	Animal Resource / Agriculture
4. Contact	e-mail: samir.sartip@su.edu.krd Tel: 07504092951
5. Time (in hours) per week	Practical: 4
6. Office hours	6 weekly
7. Course code	
8. Teacher's academic profile	Bachelor in Animal Science-Salahaddin University 2008-2009. MSc. Livestock Production Science –Essex University- UK- 2013 Academic Staff in Animal Resource department since 2014
9. Keywords	Synthetic & natural fibres, goat, Sheep, wool and hair traits, Cashmere, Mohair, growth, shearing.
<u>Course Overview:</u>	
<p>The production of animal fiber is of economic importance, especially fine fibers (e.g. Cashmere). Therefore, part of the income of the grower depends on the quantity and quality of fiber produced. In addition, our country is suitable for breeding farm animals such as sheep and goats, especially as there are Maraz goats, which utilize their fleece in the manufacture of Kurdish national costume. Therefore, the importance of the study of animal fiber lies by increasing the production. Thus, means increasing the income of grower and consequently their subsequent effects on national income.</p> <p>Moreover, it is a guide for graduate who is looking for specialized knowledge and on the light of the needs of market in the area for improving animal fiber production quantitatively & qualitatively, thus will contribute to the completion of the steps aim to achieve further progress in the field of animal resources in the country.</p>	
11. Course objective:	
<ol style="list-style-type: none"> 1- To identify the animal fiber position from the rest of textile fibers. 2- To know the economic importance of animal fibers. 3- To know the biology of fleece; the development of follicles and their impact on the production of animal fiber. 4- Diagnosis compositional differences between animal and synthetic fibers. 5- To study the physical characteristics of animal fibers and factors affecting them. 6- To realize the technological importance of animal fibers and characteristics of their end products. 	
12. Student's obligation	
<p>Student shall learn most of the test done on the wool and learn most important traits and the role of wool in the manufacturing processes, weekly the students must do quiz and writing report about the last lecture with two monthly examinations.</p>	

13. Forms of teaching					
Depending mainly on white board and data show with giving him the most important out hand of new subject from research papers and most important practice session.					
14. Assessment scheme					
Breakdown of overall assessment and examination the 35% of makes will be on the quiz, reports and daily activities and the reminders on the monthly exams.					
11. Course objective:					
To identify the animal fiber properties and to know the economic importance of animal fibers and it is role in daily using also to know the biology of fleece from the development of follicles and their impact on the production of animal fiber. Diagnosis compositional differences between animal and synthetic fibers. Learning the physical characteristics of animal fibers and factors affecting them and to realize the technological importance of animal fibers and characteristics of their end products.					
16. Course Reading List and References:					
1- Onions W.J.(1962). Wool. An Introduction to its Properties, Varieties, Uses and Production. Interscience Publishers. New York.					
2-Robson, Deborah. and Carol Ekarius. The Fleece & Fiber Sourcebook: More Than 200 Fibers From Animal to Spun Yarn. North Adams, Mass., Storey Pub, 2011.					
3-Gayo, E.M., Martens, T., Stuart-Williams, H., Fenner, J., Santoro, C.M., Carter, C. and Cameron, J., 2020. Procurement of camelid fiber in the hyperarid Atacama Desert coast: Insights from stable isotopes. Quaternary international, 548, pp.71-83.					
4- https://www.woolwise.com/					
17. The Topics:	Lecturer's name				
<table border="0"> <tr> <td>Syllabus</td> <td>Course Description</td> </tr> <tr> <td> <ul style="list-style-type: none"> 1- Fleece Biology 2- Fiber Structure 3- The Coat 4- Wool sampling techniques 5- Practical session 6- Wool Metrology 7- Wool Impurities 8- Physical impurities removal 9- Main non-fleece wool types 10- Practical session 11- Wool Storage 12- Packing Processed Wool 13- Wool Marketing 14- Wool Transporting conditions 15- Course revise </td> <td></td> </tr> </table>	Syllabus	Course Description	<ul style="list-style-type: none"> 1- Fleece Biology 2- Fiber Structure 3- The Coat 4- Wool sampling techniques 5- Practical session 6- Wool Metrology 7- Wool Impurities 8- Physical impurities removal 9- Main non-fleece wool types 10- Practical session 11- Wool Storage 12- Packing Processed Wool 13- Wool Marketing 14- Wool Transporting conditions 15- Course revise 		Samir sadun sartip weekly: (3 hrs)
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18. Practical Topics (If there is any)					
	Lecturer's name SAMIR SADUN SARTIP				

19. Examinations:

Monthly exam degree (2 Exams) = 30%

Daily Quize= 5%

20. Extra notes:

21. Peer review: