

Course Description Form

1. Course Name:		
Forage Equipment		
2. Course Code:		
FOEQ485		
3. Semester / Year:		
Spring / 2025-2026		
4. Description Preparation Date:		
1 st Feb. 2026		
5. Available Attendance Forms:		
Attendance +electronic		
6. Number of Credit Hours (Total) / Number of Units (Total)		
60 hours (2 hours theorotucal +2 hours Practical) / 3 units		
7. Course administrator's name (mention all, if more than one name)		
Name: Khalid E. Ahmed khalid.allaf@uomosul.edu.iq Mahmmod H. Rafiq mahmiud.h.r@uomosul.edu.iq		
8. Course Objectives		
<p>1- Enabling the student to understand and comprehend what is related to the mechanization of animal production And it 's impact on increasing animal production</p> <p>2- Enabling the student to know the types of this equipment and their uses in order to provide an optimum animal breeding environment</p>		
9. Teaching and Learning Strategies		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Strategy</td> <td>Theoretical: - Interactive lecture / brainstorming / dialogue and discussion / assignment of tasks and reports / presentation of explanatory videos about the equipment operation, its components and uses Practical:- Assigning reports and seminars</td> </tr> </table>	Strategy	Theoretical: - Interactive lecture / brainstorming / dialogue and discussion / assignment of tasks and reports / presentation of explanatory videos about the equipment operation, its components and uses Practical:- Assigning reports and seminars
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week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluatio n method
1	2theorotic	The importance of green fodder and harvesting methods	Forage prepare and harvesting equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine

	2practical	Calibrate ,repair and maintained	Forage prepare and harvesting equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
2	2theorotic	Choosing suitable type of mower	Forage harvesting equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	2practical	Calibrate ,repair and maintained	Forage prepare and harvesting equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
3	2theorotic	enumerates the mechanisms used in drying and turning green fodder	Forage prepare and harvesting equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	2practical	Calibrate ,repair and maintained	Forage prepare and harvesting equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
4	2theorotic	Can distinguishes between types of baler	Baler making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training,	Daily quiz and final examine

				and practical exercises	
	2practical	calibrate ,repair and maintained the equipment	Baler making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
5	2theorotic	the student learns about the mechanisms of transporting and handling bales	Baler making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	2practical	calibrate ,repair and maintained the equipment	Baler making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
6	2theorotic	the student understands the work of the silage harvester	Silage making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	2practical	calibrate ,repair and maintained the equipment	Silage making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
7	2theorotic	the student understands the working mechanism of silage handling	Silage making and handling equipment	Interactive lecture, brainstorming, dialogue and	Daily quiz and final examine

		equipment (fixed type)		discussion, field training, and practical exercises	
	2practical	calibrate ,repair and maintained the equipment	Silage making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
8	2theorotic	the student enumerates the types of balers for making fodder	Baler making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	2practical	calibrate ,repair and maintained the equipment	Baler making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
9	2theorotic	C1the student learns about dray feed and the mechanism of operation of all types of grander	Dray forage making equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	2practical	calibrate ,repair and maintained the equipment	Dray forage making equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
10	2theorotic	the student learns about feed mixer and	Dray forage making equipment	Interactive lecture, brainstorming	Daily quiz and final examine

		compressed feed and equipment		g, dialogue and discussion, field training, and practical exercises	
	2practical	calibrate ,repair and maintained the equipment	Dray forage making equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
11	2theorotic	the student enumerates the methods of handling feed inside cow barns	Dray forage making equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	2practical	calibrate ,repair and maintained the equipment	Dray forage making equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
12	2theorotic	the student enumerates the methods of handling feed inside poultry barn	Dray forage making equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	2practical	calibrate ,repair and maintained the equipment	Dray forage making equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
13	2theorotic	field visiting and	A field visit	Interactive	Report

		preparing report on feed machines making		lecture, brainstorming, dialogue and discussion, field training, and practical exercises	prepare
	2practical	the student can see working this machines	A field visit	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Report prepare
14	2theorotic	student report seminar	A field visit	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Report prepare
	2practical	student report seminar	A field visit	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Report prepare
15	2theorotic	student report seminar	A field visit	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Report prepare
	2practical	student report seminar	A field visit	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical	Report prepare

10. Course Evaluation

No.	Test type	date	grade	Rate
1	Theoretical + practical report	Week 13,14,15	6 theoretical +6 practical	12%
2	Quize	Week 1-12	5 theoretical +3 practical	8%
3	Midterm Exam (Theoretical+Practical)	Week 8	13 theoretical +7 practical	20%
4	Final Theoretical Examination	Final term examination	40	40%
5	Final Practical Examination	Final term examination	20	20%
6	Summation		100	100%

11. Learning and Teaching Resources

Required textbooks (curricular books, if any)	علي، لطفى حسين محمد وتوفيق فهمي دميان (1988) معدات مكننة الانتاج الحيواني، وزارة التعليم العالي والبحث العلمي، جامعة بغداد، العراق.
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

عاصم احمد
رئيس القسم

أ.م. د. يوسف يعقوب هلال

مدرس مادة الصغار
أ.م. محمد هادي رشيد



عاصم احمد
مدرس المادة

أ.م. خالد عصام احمد

رئيس اللجنة العلمية
أ.د. عادل احمد عبد الله