Course Description Form

1. Course Name:
Forage Equipment
2. Course Code:
FOEQ485
3. Semester / Year:
Spring / 2024-2025
4. Description Preparation Date:
1st Fab. 2025
5. Available Attendance Forms:
Attendance +electronic
6. Number of Credit Hours (Total) / Number of Units (Total)
75 hours (2 hours theorotucal +2 hours Practical) / 2.5 units
7. Course administrator's name (mention all, if more than one name)
Name: Khalid E. Ahmed Mahmmod H. Rafiq
8. Course Objectives
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 2- Enabling the student to know the types of this equipment and their uses in order to provide an optimum animal breeding environment
9. Teaching and Learning Strategies

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	Evaluation method

1	2theorotic	a1 knows the importance of green fodder and harvesting methods	Forage prepare and harvesting equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	b8 calibrate ,repair and maintained	Forage prepare and harvesting equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
2	2theorotic	a2 choosing suitable type of mower	Forage harvesting equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	b9 calibrate ,repair and maintained	Forage prepare and harvesting equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
3	2theorotic	a3 enumerates the mechanisms used in drying and turning green fodder	Forage prepare and harvesting equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	b10 calibrate ,repair and maintained	Forage prepare and harvesting equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training,	Daily quiz and final examine

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				and practical exercises	
4	2theorotic	c1 can distinguishes between types of baler	Baler making and handling equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	b11 calibrate ,repair and maintained the equipment	Baler making and handling equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
5	2theorotic	a4 the student learns about the mechanisms of transporting and handling bales	Baler making and handling equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	b12 calibrate ,repair and maintained the equipment	Baler making and handling equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
6	2theorotic	a5 the student understands the work of the sillage harvester	Silage making and handling equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	c5 calibrate ,repair and maintained the equipment	Silage making and handling equipment	Interactive lecture, brainstormin g, dialogue and	Daily quiz and final examine

				discussion, field training, and practical exercises	
7	2theorotic	b1,a6 the student understands the working mechanism of silage handling equipment (fixed type)	Silage making and handling equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	c6 calibrate ,repair and maintained the equipment	Silage making and handling equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
8	2theorotic	b2,c2 the student enumerates the types of balers for making fodder	Baler making and handling equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	c7 calibrate ,repair and maintained the equipment	Baler making and handling equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
9	2theorotic	c3the student learns about dray feed and the mechanism of operation of all types of grander	Dray forage making equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	c8 calibrate ,repair and	Dray forage making equipment	Interactive lecture, brainstormin	Daily quiz and final examine

		maintained the equipment		g, dialogue and discussion, field training, and practical exercises	
10	2theorotic	c4 the student learns about feed mixer and compressed feed and equipment	Dray forage making equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	c9 calibrate ,repair and maintained the equipment	Dray forage making equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
11	2theorotic	b3 the student enumerates the methods of handling feed inside cow barns	Dray forage making equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	c10 calibrate ,repair and maintained the equipment	Dray forage making equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
12	2theorotic	b4 the student enumerates the methods of handling feed inside poultry barn	Dray forage making equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine

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	3practical	c11 calibrate ,repair and maintained the equipment	Dray forage making equipment	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
13	2theorotic	b5 field visiting and preparing report on feed machines making	A field visit	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Report prepare
	3practical	c12 the student can see working this machines	A field visit	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Report prepare
14	2theorotic	b6 student report seminar	A field visit	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Report prepare
	3practical	c13 student report seminar	A field visit	Interactive lecture, brainstormin g, dialogue and discussion, field training, and practical exercises	Report prepare
15	2theorotic	b7 student report seminar	A field visit	Interactive lecture, brainstormin g, dialogue and discussion, field training,	Report prepare

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				and practical exercises	
	3practical	c14 student report seminar	A field visit	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	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،لطفي حسين محمد وتوفيق فهمي دميان (١٩٨٨) معدات مكننة الانتاج الحيواني،وزراة التعليم العالي والبحث العلمي ،جامعة بغداد،العراق.
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

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مدرس المادة

م.خالد عصام احمد

رئيس القسم

أ.م.نوفل عيسى محيمد

رئيس اللجنة العلمية

أ.د. عادل احمد عبد الله