

Course Description Form

1. Course Name:	
Forage Equipment	
2. Course Code:	
FOEQ485	
3. Semester / Year:	
Fall / 2023–2024	
4. Description Preparation Date:	
5. Available Attendance Forms:	
Attendance	
6. Number of Credit Hours (Total) / Number of Units (Total)	
75 hours / 2.5 units	
7. Course administrator's name (mention all, if more than one name)	
Name: Khalid E. Ahmed Email: khalid.allaf@uomosul.edu.iq	
8. Course Objectives	
<p>1- Enabling the student to understand and comprehend what is related to 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> <p>3-</p>	<p>Informing the student about maintenance and repair for the equipment</p>
9. Teaching and Learning Strategies	
Strategy	<p>Theoretical: - Interactive lecture / brainstorming / dialogue and discussion / assignment of tasks and reports / presentation explanatory videos about the equipment operation, components and uses</p> <p>Practical:- Assigning reports and seminars</p>

week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2theoretic	a1 knows 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
	3practical	a1 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	2theoretic	a2 choosing suitable type of mower	Forage harvesting equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	a1 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	2theoretic	b1 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
	3practical	a1 calibrate ,repair and maintained	Forage prepare and harvesting equipment	Interactive lecture, brainstorming	Daily quiz and final examine

				g, dialogue and discussion, field training, and practical exercises	
4	2theorotic	b2 can distinguishes between types of baler	Baler making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	b1 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	a3 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
	3practical	b1 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	a4the student understands the work of the sillage harvester	Silage making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine

	3practical	b1 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	c1 the student understands the working mechanism of silage handling equipment (fixed type)	Silage making and handling equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	b1 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	c1 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
	3practical	b1 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	a5 the 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,	Daily quiz and final examine

				and practical exercises	
	3practical	b1 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	a6 the student learns about feed mixer and compressed feed and equipment	Dray forage making equipment	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Daily quiz and final examine
	3practical	b1 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	b3 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
	3practical	b1 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	b3 the student enumerates the methods of handling feed	Dray forage making equipment	Interactive lecture, brainstorming, dialogue and	Daily quiz and final examine

		inside poultry barn		discussion, field training, and practical exercises	
	3practical	b1 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	c3 field visiting and preparing report on feed machines making	A field visit	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Report prepare
	3practical	a1 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	c4 student report seminar	A field visit	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Report prepare
	3practical	c4 student report seminar	A field visit	Interactive lecture, brainstorming, dialogue and discussion, field training, and practical exercises	Report prepare
15	2theorotic	c4 student report seminar	A field visit	Interactive lecture, brainstorming	Report prepare

				g, dialogue and discussion, field training, and practical exercises	
	3practical	c4 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)	لطفى حسين محمد وتوفيق فهمي دميان (1988) كتابات مكننة الانتاج الحيواني، وزارة التعليم العالي والبحث العلمي، جامعة بغداد، العراق.
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	



Course lecturer

Khalid E. Ahmed



رئيس قسم المكينز والآلات الزراعية

أ.م. نوفل عيسى محميد

رئيس اللجنة العلمية

أ.د. أركان محمد أمين صديق