

Course Description Form

1. Course Name:	
Agricultural Buildings	
2. Course Code:	
AGBU480	
3. Semester / Year:	
Autum/2024-2025	
4. Description Preparation Date:	
1 st Feb. 2024	
5. Available Attendance Forms:	
Attendance + electronic	
6. Number of Credit Hours (Total) / Number of Units (Total)	
75 hours (2hours theoretical +3 hours practical) / 3.5 units	
7. Course administrator's name (mention all, if more than one name)	
Name: Khalid E. Ahmed Mahmmod N. Abd Alkader	
8. Course Objectives	
<p>The learner should be able to define the concept of buildings and the information that must be available for their optimal design</p> <ul style="list-style-type: none"> • Choosing the appropriateness of the factors affecting the planning and coordination of agricultural buildings • Differentiate between different planning systems and the appropriate ones • Distinguishing between types of buildings and their sections according to the purpose for which those buildings were built • Familiarity with the information the designer needs and what is available to him to construct buildings • The designer's awareness of the factors affecting agricultural buildings 	
9. Teaching and Learning Strategies	
Strategy	<ul style="list-style-type: none"> -Interactive lecture -Brainstorming - Dialogue and discussion -Field Training - Practical exercises - Field project



10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 theoretical	a1,b1 the student learns about agricultural buildings	introduction to agricultural buildings	the audio-visual method uses the date show	quiz and midterm exam
	3practical	b7 the student uses building distribution methods	distribution of buildings according to the united circles method	the audio-visual method uses the date show	quiz and midterm exam
2	2 theoretical	a2,c1 the student learns the basics of constructing agricultural buildings	basics of building construction	the audio-visual method uses the date show	quiz and midterm exam
	3practical	a8 the student uses building distribution methods	distribution of buildings according to wind direction	the audio-visual method uses the date show	quiz and midterm exam
3	2 theoretical	b2 the student learns about the types of thermal insulation	thermal insulation	the audio-visual method uses the date sho	quiz and midterm exam
	3practical	b9 the student learns to	thermal insulation	the audio-visual method	quiz and midterm exam

		use isolation		uses the date show	
4	2 theoretical	a3,b3 the student proposes a building plan	construction plan	the audio- visual method uses the date show	quiz and midterm exam
	3practical	b10, the student learns about the building plan	construction plan	the audio- visual method uses the date show	quiz and midterm exam
5	2 theoretical	a4, the student enumerate s the types of barns	types of barns		quiz and midterm exam
	3practical	b11, the student sees the types of barns	types of barns	the audio- visual method uses the date show	quiz and midterm exam
6	2 theoretical	b3,c2, the student recognizes the type of barn	barns with cubic	the audio- visual method uses the date show	quiz and midterm exam
	3practical	b12, the student controls the dimensions of the bed according to the type	barns with cubic	the audio- visual method uses the date show	quiz and midterm exam
7	2 theoretical	a5,b4 the student calculates the dimensions of the barn	dimensions of barns with cubic	the audio- visual method uses the date show	quiz and midterm exam



	3practical	c5, the student controls the dimensions of the bed according to the type	dimensions of barns with cubic	the audio-visual method uses the date show	quiz and midterm exam
8	2 theoretical	b5, the student calculates the dimensions of the cubic	calculating the dimensions of the shrine	the audio-visual method uses the date show	quiz and midterm exam
	3practical	c6, the student controls the dimensions of the bed according to the type	calculating the dimensions of the shrine	the audio-visual method uses the date show	quiz and midterm exam
9	2 theoretical	a5, the student identifies the type of barn	multi-section barns	the audio-visual method uses the date show	quiz and midterm exam
	3practical	c7, the student controls the dimensions of the bed according to the type	multi-section barns	the audio-visual method uses the date show	quiz and midterm exam
10	2 theoretical	a6, the student identifies the component s of the barn	cow barns with stalls	the audio-visual method uses the date show	quiz and midterm exam



	3practical	b13 the student mentions the components of the barn	cow barns with stalls	the audio-visual method uses the date show	quiz and midterm exam
11	2 theoretical	a7, the student knows the components of a barn	sheep pens	the audio-visual method uses the date show	quiz and midterm exam
	3practical	b14 the student plans the barn	sheep pens	the audio-visual method uses the date show	quiz and midterm exam
12	2 theoretical	b7 the student is familiar with the methods of constructing protected buildings	green house	the audio-visual method uses the date show	quiz and midterm exam
	3practical	b15 the student chooses the layout of the greenhouse	green house	the audio-visual method uses the date show	quiz and midterm exam
13	2 theoretical	b8 the student understands treatment methods	waste management in farm	the audio-visual method uses the date show	quiz and midterm exam
	3practical	b16 the student plans treatment methods	waste management in farm	the audio-visual method uses the date show	quiz and midterm exam
14	2 theoretical	b9 the student masters	waste management in farm	the audio-visual method	quiz and midterm exam



		waste disposal methods		uses the date show	
	3practical	b17 the student distinguishes the types of tanks and treatment methods	waste management in farm	the audio-visual method uses the date show	quiz and midterm exam
15	2 theoretical	b10, the student prepares a report	a field visit	the audio-visual method	seminar
	3practical	b18, the student prepares a repor	A field visit	The audio-visual method	Seminar

1. Course Evaluation

No.	Test type	date	grade	Rate
1	Theoretical + practical report	Week 15	5 theoretical +5 practical	10%
2	Theoretical quiz + practical quiz	Week 1- 14	Theoretical 2.5 +2.5 practical	5%
3	Midterm Exam (Theoretical+Practical)	Week 8	17.5 theoretical +7.5practical	25%
4	Final Theoretical Examination	Final term examination	40	40%
5	Final Practical Examination	Final term examination	20	20%
	Summation		100	100%



2. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Diary Freestall Housing And Equipment Housing Design For Cattle Farm Building Design House
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	



مدرس المادة

م. خالد عصام احمد



رئيس القسم

أ.م. نوفل عيسى محييد


رئيس اللجنة العلمية

أ.د. عادل احمد عبد الله