

## Course Description Form

<b>1. Course Name:</b>	
Agricultural Buildings	
<b>2. Course Code:</b>	
AGBU480	
<b>3. Semester / Year:</b>	
Autum/2025-2026	
<b>4. Description Preparation Date:</b>	
1 <sup>st</sup> Sep. 2025	
<b>5. Available Attendance Forms:</b>	
Attendance + electronic	
<b>6. Number of Credit Hours (Total) / Number of Units (Total)</b>	
60 hours (2hours theoretical +2 hours practical ) / 3 units	
<b>7. Course administrator's name (mention all, if more than one name)</b>	
Name: Khalid E. Ahmed                      Email: khalid.allaf@uomosul.edu.iq Ammar Wael Saleh                      Email: ammarwael1800@uomosul.edu.iq	
<b>8. Course Objectives</b>	
<p><b>The learner should be able to define the concept of buildings and the information that must be available for their optimal design</b></p> <ul style="list-style-type: none"> <li>• <b>Choosing the appropriateness of the factors affecting the planning and coordination of agricultural buildings</b></li> <li>• <b>Differentiate between different planning systems and the appropriate ones</b></li> <li>• <b>Distinguishing between types of buildings and their sections according to the purpose for which those buildings were built</b></li> <li>• <b>Familiarity with the information the designer needs and what is available to him to construct buildings</b></li> <li>• <b>The designer's awareness of the factors affecting agricultural buildings</b></li> </ul>	
<b>9. Teaching and Learning Strategies</b>	
<b>Strategy</b>	<ul style="list-style-type: none"> <li>-Interactive lecture</li> <li>-Brainstorming</li> <li>- Dialogue and discussion</li> <li>-Field Training</li> <li>- Practical exercises</li> <li>- Field project</li> </ul>

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 theoretical	A6,B1 the student learns about agricultural buildings	introduction to agricultural buildings	the audio-visual method uses the date show	quiz and midterm exam
	2practical	A9 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	A6,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
	2practical	A32 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	B32 the student learns about the types of thermal insulation	thermal insulation	the audio-visual method uses the date sho	quiz and midterm exam
	2practical	B1 the student learns to use	thermal insulation	the audio-visual method uses the date show	quiz and midterm exam

		isolation			
4	2 theoretical	A13,B32 the student proposes a building plan	construction plan	the audio- visual method uses the date show	quiz and midterm exam
	2practical	B39, the student learns about the building plan	construction plan	the audio- visual method uses the date show	quiz and midterm exam
5	2 theoretical	A32, the student enumerates the types of barns	types of barns		quiz and midterm exam
	2practical	B32, 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	B32,C23, the student recognizes the type of barn	barns with cubic	the audio- visual method uses the date show	quiz and midterm exam
	2practical	B32 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	A35,B39 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
	2practical	C24, the student	dimensions of barns with	the audio- visual method	quiz and midterm

		controls the dimensions of the bed according to the type	cubic	uses the date show	exam
8	2 theoretical	B32, 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
	2 practical	C24, 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	A35, the student identifies the type of barn	multi-section barns	the audio-visual method uses the date show	quiz and midterm exam
	2 practical	C24, 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	A35, the student identifies the components of the barn	cow barns with stalls	the audio-visual method uses the date show	quiz and midterm exam
	2 practical	B32 the student mentions	cow barns with stalls	the audio-visual method uses the	quiz and midterm exam

		the components of the barn		date show	
11	2 theoretical	A35, the student knows the components of a barn	sheep pens	the audio-visual method uses the date show	quiz and midterm exam
	2 practical	B32, the student plans the barn	sheep pens	the audio-visual method uses the date show	quiz and midterm exam
12	2 theoretical	B32 the student is familiar with the methods of constructing protected buildings	Smart green house	the audio-visual method uses the date show	quiz and midterm exam
	2 practical	B32 the student chooses the layout of the greenhouse	Using Arduion in green house	the audio-visual method uses the date show	quiz and midterm exam
13	2 theoretical	B32, the student understands treatment methods	waste management in farm	the audio-visual method uses the date show	quiz and midterm exam
	2 practical	B32, the student plans treatment methods	waste management in farm	the audio-visual method uses the date show	quiz and midterm exam
14	2 theoretical	B32 the student masters waste disposal methods	waste management in farm	the audio-visual method uses the date show	quiz and midterm exam

	2practical	B32 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	B32, the student prepares a report	a field visit	the audio-visual method	seminar
	2practical	B32, 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%

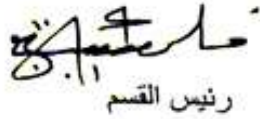
### 2. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Diary freestall housing and equipment housing design for cattle Farm Building Design House Agricultural Waste Management Systems Free Stall Design Housing Design For Cattle

Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	



مدرس المادة العملي  
م.م. عمار وائل صالح



رئيس القسم  
أ.م.د. يوسف يعقوب هلال



مدرس المادة  
م. خالد عصام احمد




رئيس اللجنة العلمية  
أ.د. عادل احمد عبد الله