

## Course description form

1.	Course Name
	Research methods
2.	Course Code
	REME387
3.	Semester/Year: Annual
	/ The first (autumn(2023-2024
4.	Date this description was prepared
	1 / 2 / 2024
5.	Available forms of attendance:
	In person
6.	Number of study hours (total)/number of units (total(
	) Number of hours60 ( / ) Number of units2(
7.	Name of the course administrator (if more than one name is mentioned(
	:Teacher: Dr. Ramia Amer Khalil Al-Alaf Emailramiaalalaf83@uomosul.edu.iq
8.	Course objectives
	<p>1- Introducing the student to how to write scientific research.</p> <p>2- Preparations of agricultural cadres, means of familiarizing themselves with new settings to know the methods of writing scientific research.</p> <p>3- The skill of managing the site for repertoire, personal development, and the skill of using educational means</p> <p>4- Qualifying them to advance the economic reality that has begun to enter into historical settings</p>
9.	Teaching and learning strategies
	<p>1- Transferable general and qualifying skills (other skills related to employability .(and personal development</p> <p>2- Training the student on how to use information sources to maintain and develop his basic information.</p> <p>3- Developing the student's method of transferring information to the work environment.</p> <p>4- Training the student to conduct scientific research to solve problems at work . and develop methods</p>

## 10. Course structure

Evaluation method	Teaching method	Name of the unit/topic	Required learning outcomes	hours	the week
Daily exams Duties	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Science and scientific research	A1 and B1 The student should be able to know and understand scientific research	theoretical 1	The first week
Daily exams	practical Assigning tasks and reporting	Scientific research and its types	A16 One should be familiar with aspects of scientific research	3 Practical	
Duties	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	The basic elements of the research plan	A2 The student should be able to know and understand the methods and elements of scientific research	theoretical 1	second week
Duties	practical Assigning tasks and reporting	Research applications	A17 Conducting applications on research to learn the basic elements of scientific research	3 Practical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Components of scientific research	A3 and B2 The student should be able to know and understand the components of scientific research	theoretical 1	the third week
Duties	practical Assigning tasks and reporting	Problem, goal, hypothesis and method	A18 Writing a plan that includes the components of scientific research	practical 3	

Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Steps for reviewing theoretical literature and previous studies	A4 and B3 The student should be able to know the steps of theoretical literature and previous studies	1 Theoretical	fourth week
Duties	practical Assigning tasks and reporting	Applying the steps of reviewing theoretical literature	A19 Write a previous study on an agricultural economic topic	practical 3	
	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Samples	A5 The student should be able to know and understand how to take study samples	theoretical 1	The fifth week
Semester exam	practical Assigning tasks and reporting	Population and sample in scientific research	B4, C4 A20, identifying types of samples	3 Practical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Hypotheses	A6, B4, C1 The student should be able to know how to test hypotheses	theoretical 1	the sixth week
Duties	practical Assigning tasks	Methods of formulating and testing hypotheses	A21, B11 Learn how to write a hypothesis for scientific research	3 Practical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Questionnaire	A7, B5 The student should be able to know how to design a questionnaire	theoretical 1	Seventh week The eighth week
Duties	practical Assigning tasks and reporting	Questionnaire design controls	A22, B12 Designing questions for a scientific research questionnaire	3 Practical	

Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	The basic elements of the research plan	A8 The student should be able to know and understand the main elements of preparing economic scientific research	theoretical 1	
Duties	practical Assigning tasks and reporting	Steps for writing the basic elements of a research plan	A23, B13 The necessity of writing the basic research implications of agricultural scientific research	3Practical	Week nine
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style practical Assigning tasks and reporting	Scientific research method  Types of scientific method and its formulation	A9 The student should be able to know and understand scientific research methods	theoretical 1	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Types of scientific research	A10, B6 The student should be able to know and understand the types of scientific research	theoretical 1	The tenth week
Duties	practical Assigning tasks	Applied and experimental research	A24, B14 Identify the types of scientific research	3Practical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Developing scientific research tools	A11, B7, C2 The student should be able to know, understand and develop scientific research tools	theoretical 1	Week eleven

Duties	practical Assigning tasks and reporting	Development of scientific research tools	A25, B15 Modern methods in scientific research	3Practical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Master's theses plans	A12, B8, C3 The student should be able to know and understand master's thesis plans	theoretical 1	The twelfth week
Duties	practical Assigning tasks and reporting	A research plan for a master's thesis should be written in order to distinguish between research and thesis	A26, B16, C5 A research plan for a master's thesis should be written in order to distinguish between the research and the thesis	3Practical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Scientific visit to libraries	A13,C4The student should visit libraries and obtain research and information	theoretical 1	The thirteenth week
Duties	practical Assigning tasks and reporting	A visit to the college library, administration and economics library, central library, electronic library	C6 Learn how to search and index	3Practical	
Semester exam	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Documentation of sources	A14 The student should be able to know and understand how to write sources	theoretical 1	The fourteenth week

Duties	practical Assigning tasks and reporting	Documenting sources and references	A27, B17 Identify the systems of writing sources	3Practical	
Daily exam	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Agricultural economic research	A15, B9 You should know how to write agricultural economic research	theoretical 1	The fifteenth week
Duties	Common questions in the discussion and ways to answer them	Common questions in the discussion and ways to answer them	A28,B18 Discuss agricultural economic research	3Practical	

### 11. Course evaluation

Attendance 5%  
) Short tests Quiz %5 (  
First semester exam 15%  
Second semester exam 15%  
Pursuit score 40%  
Final exam 60%  
Final grade 100%

### 12. Learning and teaching resources

Scientific research methods Dr. Muhammad Abdel Aal Nuaimi	Required textbooks (methodology, if any)(
Agricultural economics book Dr. Issam Abu Al-Wafa	Main references (sources(
The book of scientific research between theory application, Dr. Muhammad Jalal Al-Ghandour	Recommended supporting books and references (scientific journals, reports....(
<a href="http://www.noor-book.com">www.noor-book.com</a>	Electronic references, Internet sites

Subject teacher: M.D. ~~Ramia Amer Khalil~~

Head of the ~~Agricultural Economics Department~~

Prof. Dr. Alaa Muhammad Abdullah



Chairman of the Scientific Committee

Prof. Dr. Alaa Muhammad Abdullah