

## Course description form

	.1 Course Name
	Research methods
	.2 Course Code
	REME388
	.3 Semester/Year: Annual
	2025-2024 / (The first (autumn
	.4 Date this description was prepared
	2024/9/1
	.5 Available forms of attendance
	Attendance
	.6 Number of study hours (total)/number of units (total)
	( 2 ) Number of units/ ( 60 ) Number of hours
	.7 (Name of the course administrator (if more than one name is mentioned
	Teacher: Alaf-Dr. Ramia Amer Khalil Al :Email Alaf83@uomosul.edu.iq
	.8 Course objectives
<p>1- Introducing the student to how to write scientific research</p> <p>2- Preparing agricultural cadres capable of familiarizing themselves with the scientific of preparing research and knowing the methods of writing means .research</p> <p>3- The skill of conducting field application for the purpose of self - development and personal development and the skill of using educational methods which the department ' the economy Qualifying them to advance the reality of -4 preparing scientific research is interested in addressing in</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- ining 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	The student should B1 and A1 be able to know and understand scientific research	1 theoretical	The first week
Daily exams	practical Assigning tasks and reporting	Scientific research and its types	One should be familiar A16 with aspects of scientific research	Practical	
Duties	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	The basic elements of the research plan	The student should be able A2 to know and understand the methods and elements of scientific research	1 theoretical	second week
Duties	practical Assigning tasks and reporting	Research applications	Conducting applications A17 on research to learn the basic elements of scientific research	Practical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Components of scientific research	The student B2 and A3 should be able to know the and understand components of scientific research	1 theoretical	the third week

Duties	practical Assigning tasks and reporting	Problem, goal, hypothesis and method	plan that Writing a A18 includes the components of scientific research	3 practical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Steps for reviewing theoretical literature and previous studies	The student B3 and A4 should be able to know the steps of theoretical previous literature and studies	Theoretical	fourth week
Duties	practical Assigning tasks and reporting	Applying the steps of reviewing theoretical literature	Write a previous A19 study on an agricultural topic economic	3 practical	
	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Samples	The student should A5 be able to know and understand how to take study samples	1 theoretical	The fifth week
Semester exam	practical Assigning tasks and reporting	Population and sample in scientific research	identifying A20, B4, C4 types of samples	Practical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Hypotheses	The student A6, B4, C1 should be able to know test hypotheses how to	1 theoretical	the sixth week





Duties	practical Assigning tasks	Methods of formulating and testing hypotheses	Learn how to A21,B11 write a hypothesis for research scientific	Practical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Questionnaire	The student A7,B5 should be able to know how to design a questionnaire	1 theoretical	Seventh week The eighth week
Duties	practical Assigning tasks and reporting	Questionnaire design controls	Designing A22, B12 questions for a scientific research questionnaire	Practical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	The basic elements of the research plan	The student should A8 be able to know and the main understand elements of preparing economic scientific research	1 theoretical	
Duties	practical Assigning tasks and reporting	Steps for writing the basic elements of a research plan	The necessity A23, B13 of writing the basic research implications of agricultural scientific research	Practical	Week nine
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style practical	Scientific research method  Types of scientific method and its formulation	The student should A9 be able to know and scientific understand research methods	1 theoretical	



	Assigning tasks and reporting				
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Types of scientific research	The student A10, B6 should be able to know the and understand types of scientific research	1 theoretical	The tenth week
Duties	practical Assigning tasks	Applied and experimental research	Identify the A24, B14 types of scientific research	Pract3 ical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Developing scientific research tools	The A11, B7, C2 student should be able to know, understand develop scientific and research tools	1 theoretical	Week eleven
Duties	practical Assigning tasks and reporting	Development of scientific research tools	ModernA25, B15 methods in scientific research	Pract3 ical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Master's theses plans	The A12, B8, C3 student should be able to know and understand master's thesis plans	1 theoretical	The twelfth week





Duties	practical Assigning tasks and reporting	research plan for A a master's thesis should be written in order to distinguish between research and thesis	A research A26, B16, C5 plan for a master's thesis should be written in order to distinguish between the research and the thesis	Pract3 ical	
Daily exams	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	to Scientific visit libraries	The student A13,C4 visit libraries should and and obtain research information	1 theoret ical	The thirteenth week
Duties	practical Assigning tasks and reporting	A visit to the college library, administration and economics library, central library, electronic library	Learn how to search C6 and index	Pract3 ical	
Semester exam	theoretical Auditory methods Style of writing on the blackboard Direct dialogue style	Documentation of sources	The student should A14 be able to know and how to write understand sources	1 theoret ical	The fourteenth week
Duties	practical Assigning tasks and reporting	Documenting sources and references	Identify the A27, B17 systems of writing sources	Pract3 ical	
Daily exam	theoretical Auditory methods Style of writing on the blackboard	Agricultural economic research	You should A15, B9 know how to write agricultural economic research	1 theoret ical	fifteenth The week



	Direct dialogue style				
Duties	Common questions in the discussion and ways to answer them	Common questions in the discussion and ways to answer them	Discuss A28,B18 agricultural economic research	Practical	

### Course evaluation .11

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

### Learning and teaching resources .12

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

Head of the Agricultural Economics Department

Mr. Dr. Alaa

Subject teacher

Dr.. Ramya Amer Khalil  
 Muhammad Abdullah

Chairman of the Scientific Committee

أ.د. آلاء محمد عبد الله  
 Abdullah Mr. Dr. Alaa Muhammad

