

Course Description Form

1. Course Name	
Measurement methods	
2. Course Code:	
MSME339	
3. Semester/year	
: The second spring semester /2023 - 2024	
4. Date this description was prepared	
2024/2/1	
5. Available attendance forms	
My presence	
6. Number of study hours (total)/number of units (total)	
2 theoretical + 3 practical / 3.5 units	
7. Course administrator's name (mention all, if more than one name)	
Name: Roaa Mohammed Hamid Email :roaa.mohammed@uomosul.edu.iq Mohammad Ahmed Mahal	
8. Course objectives	
<p>Practical Enabling students to learn how to formulate and design educational objectives Questionnaire form, types of variables, and methods for verifying characteristics The psychometrics of the questionnaire tool (validity and reliability) and how to apply the questionnaire And questioning the target groups of the questionnaire tool</p>	<p>Theoretical 1- Introducing the student to the concept of measurement and its importance in.. .Behavioral sciences 2- Introducing the student to the types of measurements and their levels 3- Teaching the student the rules for formulating educational objectives 4- Introducing the student to the types of variables and their classification 5- Teach the student to check the reliability of the questionnaire Through a number of statistical methods</p>
9. Teaching and learning strategies	
<p>Practical lecture Group discussion through focus group discussion method Assigning the student to prepare a report on scientific research, explaining the variables and the research tool Training the student to solve examples Training students on questionnaire preparation methods Assigning students to the mechanism of data analysis in the social sciences (guidance) For the search form Conducting a field visit to a village to conduct interviews with farmers to teach students How to apply the research tool in the field And collect data</p>	<p>Theoretical Interactive lecture Dialogue and discussion Brainstorming method to answer the question</p>

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10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 Theoretical 3 practical	My theory: The student gets to know the concept measurement /A2 practical: For the student to compare two concepts Measurement in behavioral sciences and natural/A4	Theoretical: the concept of measurement Practical: The concept of measurement in behavioral and natural sciences	Theoretical: Interactive lecture, brainstorming, dialogue and discussion Practical: Assigning tasks and train Reports and discussions	Exams duties, reports, Attendance, discussions
2	2 Theoretical 3 practical	theoretical: The student should know the nature of measurement in. behavioral sciences/A1 practical: To enumerate the student Measurement properties in behavioral sciences /B1	Theoretical: The naturalness of measurement in behavioral sciences Practical: Properties measurement in behavioral sciences	Theoretical: interactive lecture, Brainstorming, dialogue and discussion Practical: Assigning tasks and train Reports and discussions	Exams duties, reports, Attendance, discussions
3	2 Theoretical 3 practical	My theory: The student knows the levels measurement/A1 practical: To give the student examples of types Measurements and their levels/A2	Theoretical: levels of measurement Practical: Types measurement levels	Theoretical: interactive lecture, Brainstorming, dialogue discussion Practical: Assigning tasks and train Reports and discussions	Exams duties, reports, Attendance, discussions
4	2 Theoretical 3 practical	My theory: For the student to get to know Variables and their types/A2 practical: The student should distinguish between Variables And its types /A5	Theoretical: variables and their types practical: Classification of variable	Theoretical: interactive lecture, Brainstorming, dialogue and discussion Practical: Assigning tasks and train Reports and discussions	Exams duties, reports, Attendance, discussions
5	2 Theoretical 3 practical	My theory: The student should be able to Determine the characteristics of measuring instruments/A2 practical: The student should be able to put List of measuring tools/A1	Theoretical: Characteristics of measuring tools practical: Classification of measuring instruments	Theoretical: interactive lecture, Brainstorming, dialogue discussion Practical: Assigning tasks and train Reports and discussions	Exams duties, reports, Attendance, discussions
6	2 Theoretical 3 practical	My theory: For the student to distinguish between the types and levels of	Theoretical: educational objectives practical: Guidelines and	Theoretical: Interactive lecture, brainstorming, dialogue and	Exams duties, reports, Attendance, discussions

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		educational objectives/A5 practical: The student should be able to write an example of educational objectives/B2	applications in formulating educational objectives	discussion Practical: Assigning tasks, training reports and discussions	
7	2 Theoretical 3 practical	My theory: The student must be able to compare between types of goals thalami /A4 practical: The student should be able to Formulating educational objectives according to Its levels/B6	Theoretical: Classification of educational objectives Practical: Levels of educational objectives with verbs and examples	Theoretical: interactive lecture, Brainstorming, dialogue and discussion Practical: Assigning tasks and training Reports and discussions	Exams duties, reports, Attendance, discussions
8	2 Theoretical 3 practical	My theory: for the student to get to know Types of honesty /A2 The student should remember the factors Influencing honesty/A1 practical: The student learns how Statistical application for testing Validity of the Tool/b4	Theoretical: Honesty and the factors affecting it Practical: Practical applications in calculating honesty	Theoretical: interactive lecture, Brainstorming, dialogue and discussion Practical: Assigning tasks and training Reports and discussions	Exams duties, reports, Attendance, discussions
9	2 Theoretical 3 practical	My theory: for the student get to know Types of stability/a2 The student gets to know the factors Affecting stability/a1 practical: The student learns how Statistical analysis to test stability the tool/B4	Theoretical: stability and factors affecting it Practical: Practical applications in calculating stability	Theoretical: interactive lecture, Brainstorming, dialogue and discussion Practical: Assigning tasks and training Reports and discussions	Exams duties, reports, Attendance, discussions
10	2 Theoretical 3 practical	theoretical: The student should classify the measuring tools into... Cognitive field/A2 practical: The student prepares a table of specifications /B1	Theoretical: Measurement tools in the cognitive field (achievement tests) practical: Table of specifications how to prepare it	Theoretical: interactive lecture, Brainstorming, dialogue and discussion Practical: Assigning tasks and training Reports and discussions	Exams duties, reports, Attendance, discussions
11	2 Theoretical 3 practical	theoretical: The student knows the types Objective and essay questions/A1 practical: The student learns how to write examples	Theoretical: Types of objective and essay questions Practical: Applications objective and essay types of questions	Theoretical: interactive lecture, Brainstorming, dialogue and discussion Practical: Assigning tasks and training Reports and discussions	Exams duties, reports, Attendance, discussions

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		For types of objective questions And the frying pan/B2			
12	2 Theoretical 3 practical	Theoretical: The student should classify tools Measurement in the emotional field/A2 Practical: The student designs a form Questionnaire according to the standards in emotional field/ B6	Theoretical: measurement tools in the emotional field Practical: Applications types of measurement tools in the emotional field (questionnaire – Likert scale - Thurstone.	Theoretical: interactive lecture, Brainstorming, dialogue and discussion Practical: Assigning tasks and train Reports and discussions	Exams duties, reports, Attendance, discussions
13	2 Theoretical 3 practical	Theoretical: To become familiar with measuring Tools In the field of psychomotorA1 practical: To give the student examples of tools Measurement in the psychomotor field/A2	My theory: Measurement tools in the psychomotor field practical: Applications measurement tools in psychomotor field (rating scales, rating lists..)	Theoretical: interactive lecture, Brainstorming, dialogue and discussion Practical: Assigning tasks and train Reports and discussions	Exams duties, reports, Attendance, discussions
14	2 Theoretical 3 practical	theoretical: The student should classify the types of questionnaires/ A2 practical: The student will learn to design a form Questionnaire /B6	Theoretical: Types of questionnaires Practical: Practical design of the questionnaire form	Theoretical: interactive lecture, Brainstorming, Dialogue and discussion Practical: Assigning tasks and train Reports and discussions	Exams duties, reports, Attendance, discussions
15	2 Theoretical 3 practical	theoretical: The student should use drafting guidelines The questionnaire in the application form/A3 practical: The student learns how to apply Field questionnaire/B3	Theoretical: Guidance in formulating and applying the questionnaire Practical: Organizing a questionnaire form for field application	Theoretical: Organizing a questionnaire form To carry out the survey Field visit Practical: Applying the questionnaire form during the field visit The Directorate and farmers' fields	Exams duties, reports, Attendance, discussions

11. Course Evaluation

Degree distribution from 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc.
 Theoretical semester exams 25% Practical semester exams 10% Daily tests (5%) practical final exams (20%) theoretical final exams (40%)

12. Learning and Teaching Resources

Required textbooks (methodology that Found)	Measurement methods in educational and psychological sciences 2021 (Amel Fadel Khalil Al-Abbasi, Roaa Mohammad Hamed Al-Chalabi, Asmaa Zuhair Younis Al-Hafiz)
Main references (sources)	Educational competencies in measurement and evaluation

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	(2014), Abdel Rahman Abdel Salam Jamel- Measurement and evaluation lectures (Dr. Fadel Khalil, Roaa Mohammad Hamid)
Recommended supporting books and references (scientific journals, reports....)	https://journals.ku.edu.kw/joe/index.php/joe/index https://jasep.journals.ekb.eg/
Electronic references, Internet sites	https://www.researchgate.net/publication/340006838_mjlt_allwm_altrbwyt Arab Statisticians website

مدرس المادة العملي

م.م. محمد احمد محل

رئيس قسم الارشاد الزراعي

أ.م. د طلال سعيد حميد

مدرس المادة النظري

م. رؤى محمد حامد

رئيس اللجنة العلمية

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