

## Course Description Form

1. Course Name:	
Geological Statistics	
2. Course Code:	
3. Semester / Year:	
Semester	
4. Description Preparation Date:	
13/April/2024	
5. Available Attendance Forms:	
Only Attendance	
6. Number of Credit Hours (Total) / Number of Units (Total)	
2hours per week/30 hours per semester	
7. Course administrator's name (mention all, if more than one name)	
Name: Mohanned A. Hussain Iglah Email:eng.mohanned92@sci.utq.edu.iq	
8. Course Objectives	
For teaching students the principles of Statistics	<ul style="list-style-type: none"><li>● .....</li><li>● .....</li><li>● .....</li></ul>
9. Teaching and Learning Strategies	

<b>Strategy</b>	1- Strategy 1: Collaborative Planning 2- Strategy 2: Brainstorming 3- Strategy 3: Remarks
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**10. Course Structure**

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	h2	To predict The result Of prob. And to Know Eigenvalues And Eigenvectors And to Know about The matrices	Matrices	Text Lec. Video Lec. Questions Real Examp of daily Life	Quizzes Home works Class works Daily Exams Monthly Exams
2	h2		Determinants		
3	h2		Determinants Properties		
4	h2		Matrix Inverse		
5	h2		Eigenvalues		
6	h2		Eigenvectors		
7	h2		Exam & Evaluation		
8	h2		Continuous Random Var.		
9	h2		Continuous Prob. Distr.		
10	h2		Expected Values		
11	h2		Variation		
12	h2		Binomial Distribution		
13	h2		Normal Distribution		
14	h2		Poisson Distribution		
15	h2		Exam		

**11. Course Evaluation**

Sum of the marks of Quizzes, Home works, Class works and daily and monthly Exams of 50 marks , Final Exam of 50 marks .

**12. Learning and Teaching Resources**

Required textbooks (curricular books, if any)	Statistics by Aabd Al -Abduly
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Statistics by Aabd Al -Abduly
Electronic References, Websites	Various Links