

**College: Science – AL-Zulfi      Department: Mathematics      Program: B.Sc. (Mathematics)**

**(C) Recommendations**

Code  
MUP19

<b>Student Learning Outcome Code: a1</b> <b>On successful completion of this program, students should be able to Reproduce and Define fundamentals and concepts of Mathematics.</b>	1	Concentrating in the explanation of more mathematical background
	2	Trying to train students on the way to present their results and give them some examples to " how to interpret and discuss outcome"
	3	More focusing on the Basic mathematical knowledge and applying mathematics theorems and laws.
<b>Student Learning Outcome Code: a2</b> <b>On successful completion of this programme, students should be able to Reproduce fundamentals and concepts of General sciences and Computer skills.</b>	1	Making sure that the students must understand the correct assumption given in the problem and its essentiality
	2	Reviewing all solutions steps and let the students absorb the solution idea
	3	Allowing students to explain the exercise solution
<b>Student Learning Outcome Code: a3</b> <b>On successful completion of this programme, students should be able to Continue to acquire and outline mathematical and statistical</b>	1	The students must learn the way to choose the right terminologies and notations
	2	The essentiality of using the right notations could help to solve the problem
	3	We must connect to the previous information with the present stage

knowledge and skills appropriate to professional activities	4	The lecturer should keep encouraging students to learn new mathematical knowledge
Student Learning Outcome Code: b1 On successful completion of this programme, students should be able to Construct mathematical arguments and proofs and apply the underlying unifying structures of Mathematics.	1	The lecturer should keep practicing to solve equations and problems to arrive to the answer
	2	He must let his students trying to solve different types of equations and they are allowed to make some errors or mistakes which can be corrected in the class
Student Learning Outcome Code: b2 On successful completion of this program, students should be able to Develop and explain critical thinking skills to solve problems that can be modeled mathematically	1	The students must learn some giving process of solving some types of problems, equations, exercise, etc. rather than complicated methods which can be used in other advanced levels.
Student Learning Outcome Code: c1 On successful completion of this programme, students should be able to Demonstrate the work independently and within a team	1	Students must learn to work in groups and this could be done roughly by dividing the class into homogenous groups with a leader in each group.
	2	They must be given a specific time to accomplish some tasks such as: writing a report, solving some problems, etc.
Student Learning Outcome Code: c2 On successful completion of this programme, students should be able to Illustrate and bear responsibility for different situations	1	Lecturer must focusing in improving discussion skills about how to discuss" Problem – solving"
	2	Students must learn how to organize short report of a given task for different situations and presented it as PowerPoint
Student Learning Outcome Code: c3 On successful completion of this programme,	1	Students have to be aware about the principles of Islam in cheating and also respecting each other

students should be able to Analyze and realize the codes of ethics and their importance		
<b>Student Learning Outcome Code: d1</b> <b>On successful completion of this programme, students should be able to Communicate mathematical ideas, both orally and in writing</b>	<b>1</b>	Students must communicate with their lecturers orally by open the door to some scientific discussion and could be started by simple ones, then transfer it to some deep discussion
	<b>2</b>	Students must bear in mind how to write correct Mathematics by continuous training and corrections
	<b>3</b>	Students should have intensive courses in English and communication skills
<b>Student Learning Outcome Code: d2</b> <b>On successful completion of this programme, students should be able to Critically interpret numerical and graphical data</b>	<b>1</b>	The only way to improve is to make sure that the secondary school background in diagrams and sketching curves are understood
	<b>2</b>	The training and solving of many types of problems which contain diagram and sketches must help in solving this types of weakness
	<b>3</b>	The same plan could be used to sort out the quantitative problems
	<b>4</b>	Students have to be encouraged to get more knowledgeable and numerical jobs in order to have relevant jobs when they graduated