

"حيث تصبح الرؤية واقعاً"

"When Vision Becomes Reality"

Curriculum Matrix Model of Learning and Assessment Methods– Procedures for preparing and updating the study plan / Department of Mathematics	QF01/0415-3.0
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Faculty	Faculty of Science and Information Technology	Department	Mathematics	Specialization	Mathematics
Study Plan No.	2023–2022	Accreditation date	2022/6/9	The number of program courses	34

Note: This form is for specialty courses only.

Course No.	Course name	Teaching methods	Assessment and evaluation methods
0101102	Calculus (2)	<b>Direct teaching:</b> Lecture Questions and answers Workbooks/worksheets Demonstration Workouts and exercises Reading activities Problem solving and inquiry	<b>Assessment based on performance:</b> Presentation and presentation discussion and debate Work on individual and group projects  <b>Pen and paper strategy</b> Quiz/Test Paragraphs with specific answers
0101104	Calculus (2) for Eng.		
0101201	Calculus (3)		
0101205	Calculus (3) for Engineering		
0101202	Advanced Calculus		
0101112	Foundations of Mathematics		
0101341	Probability Theory		
0101442	Mathematical Statistics		

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0101273	Ordinary Differential Equations 1	<p><b>Individual or group learning:</b></p> <p>Discussion</p> <p>The interview</p> <p>Group cooperative learning</p> <p>Teamwork</p> <p><b>*Using the university's website to download explanations of the material in the forms of videos and PDF and submitting the assignments.</b></p>	<p>Multiple choice paragraphs</p> <p>Matching paragraphs</p> <p>Right and wrong paragraphs</p> <p>Open-ended paragraphs</p> <p>Complementary paragraphs</p> <p>Short answer</p> <p>Construction and problem solving</p> <p><b>Observation:</b></p> <p>communication</p> <p>questions and answers</p>
0101231	Euclidean Geometry		
0101212	Number Theory		
0101322	Linear Algebra (2)		
0101323	Abstract Algebra (1)		
0101424	Abstract Algebra (2)		
0101370	Graph Theory		
0101443	Applied Statistics		
0101272	Numerical Analysis (1)		
0101377	Numerical Analysis 2		
0101374	Partial Differential Equations		
0101475	Applied mathematics		
0101455	Special Functions		
0101372	Mathematical Modeling 1		
0101471	Mathematical Modeling 2		
0101376	Linear Programming & Game Theory		
0101251	Real Analysis (1)		
0101353	Real Analysis (2)		
0101351	Complex Analysis		
0101452	Functional Analysis		
0101432	Topology		
0101433	Differential Geometry		

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0101363	History of Mathematics		
0101361	Methods of Teaching Mathematics		
0101462	Practical Education in Teaching Mathematics		
0101347	Financial Mathematics		

<b>Approved by the Study Plan Committee</b>	2022-11-13	<b>Committee meeting No.</b>	2
<b>Approved in the department meeting No</b>		<b>Meeting date</b>	
<b>Department head signature</b>		<b>College Dean's signature</b>	