Al al-Bayt University

Faculty of Science

Advisory plan for

Bachelor Degree

in

Department of Mathematics

2022/2023

2022-7-1

Advisory plan for undergraduate students majoring in Mathematics

1st Year

FIRST SEMESTER				SECOND SEMESTER			
Course No.	Course Title	credit hours	Type of learning	Course No.	Course Title	credit hours	Type of learning
-	University Requirements	3	Online/Blended	-	University Requirements	3	Online/Blended
-	University Requirements	3	Online/Blended	-	University Requirements	3	Online/Blended
-	University Requirements	3	Online/Blended	0401102	Calculus (2)	3	Blended
0401101	Calculus (1)	3	Blended	0401233	Statistical Methods	3	Blended
0402101	General Physics (1)	3	Blended	0403101	General Chemistry (1)	3	Blended
Total		15		Total		15	

2nd Year

FIRST SEMESTER				SECOND SEMESTER			
Course No.	Course Title	credit hours	Type of learning	Course No.	Course Title	credit hours	Type of learning
-	University Requirements	3	Online/Blended	-	University Requirements	3	Online/Blended
0401201	Calculus (3)	3	face-to-face	-	Elective Dep. Course	3	Blended
0401241	Linear Algebra (1)	3	face-to-face	0401202	Advanced Calculus	3	face-to-face
0401251	Logic And Set Theory	3	face-to-face	0401203	Ordinary Differential Equations (1)	3	face-to-face
0404101	General Biology (1)	3	Blended	0901131	Computer Science (2) for Scientific Specialties	3	Blended
Total		15		Total		15	

3rd Year

FIRST SEMESTER				SECOND SEMESTER			
Course No.	Course Title	credit hours	Type of learning	Course No.	Course Title	credit hours	Type of learning
-	University Requirements	3	Online/Blended	-	University Requirements	3	Online/Blended
0401272	Mathematical Methods	3	face-to-face	-	Elective Dep. Course	3	Blended
0401301	Real Analysis (1)	3	face-to-face	0401303	Complex Analysis (1)	3	face-to-face
0401321	Numerical Analysis (1)	3	face-to-face	0401304	Partial Differential Equations (1)	3	face-to-face
0401331	Probability Theory	3	face-to-face	0401342	Abstract Algebra (1)	3	face-to-face
0401361	Topology (1)	3	face-to-face	0401365	Euclidean And Non-Euclidean Geometry	3	face-to-face
Total		18		Total		18	

4th Year

FIRST SEMESTER				SECOND SEMESTER			
Course No.	Course Title	credit hours	Type of learning	Course No.	Course Title	credit hours	Type of learning
-	Elective Dep. Course	3	Blended	-	Elective Dep. Course	3	Blended
-	Elective Dep. Course	3	Blended	-	Graduation Project	3	face-to-face
0401344	Number Theory	3	face-to-face	0401401	Real Analysis (2)	3	face-to-face
0401384	Linear Programming And Game Theory	3	face-to-face	0401403	Ordinary Differential Equations (2)	3	face-to-face
0401433	Mathematical Statistics	3	face-to-face	0401421	Numerical Analysis (2)	3	face-to-face
0401461	Topology (2)	3	face-to-face	0401442	Abstract Algebra (2)	3	face-to-face
Total		18		Total		18	