



جامعة السلام للدراسات النسائية

Faculty of Arts and Science
Department of Mathematics
Mathematics Study Plan
Graduation Requirements 132 Credit Hours (2020-2021)

I- University Requirements (24) Credit Hours			
A- Compulsory : (15) Credit Hours			
Course No.	Course Name	C.H.	Prerequisite
100103	Military Science*	3	-
1401010	Community Service	0	-
1401110	Arabic Language (1)**	3	1401099
1401116	Islamic Education	3	-
1401120	English Language (1)**	3	1401098
1401150	National Education	3	-

B- Elective (9) Credit Hours			
402104	Entrepreneurship in Business	3	-
501114	Palestinian Cause and Contemporary Arab History	3	-
1211110	Art Education	3	-
1401111	Introduction to Library Science	3	-
1401117	Islam and Contemporary Issues	3	-
1401118	Ethics in Islam	3	-
1401126	Human Rights	3	-
1401130	Sports and Health	3	-
1401131	Introduction to Sociology	3	-
1401132	Man and Environment	3	-
1401133	Introduction to Psychology	3	-
1401151	Campus Life Ethics	3	-
1401210	Arabic Language (2)	3	1401110
1401220	English Language (2)	3	1401120
1401221	Foreign Languages	3	-
1501113	Arab and Muslim Sciences	3	-
1501126	First Aid	3	-
1501127	Green Energy in Our Life	3	-
1501128	Communication and Social Media Technology	3	-
1501153	Nutrition In Health and Illness	3	-
1501154	Health Education	3	-
1501161	Digital Societies	3	-

2- Faculty Requirements (23) Credit Hours			
Course No.	Course Name	C.H.	Prerequisite
1501110	Calculus 1	3	-
1501120	General Physics 1	3	-
1501121	General Physics Lab 1	1	1501120***
1501130	General Chemistry 1	3	-
1501131	General Chemistry Lab 1	1	1501130***
1501143	General Biology 1	3	-
1501210	Calculus 2	3	1501110
1501212	Probability and Statistics	3	-
1501160	Computer Skills 2	3	1501099

3- Department Requirements (82) credit hours			
A- Compulsory Courses (64) credit hours			
1721201	Calculus 3	3	1501210
1721202	Linear Algebra 1	3	1501110
1721302	Linear Algebra 2	3	1721202
1721203	Ordinary Differential Equations 1	3	1501210
1721200	Principles of Mathematics	3	1501210
1721303	Number Theory	3	1721200
1721304	Modern Euclidean Geometry	3	1721200
1721305	Partial Differential Equations 1	3	1721203
1721306	Real Analysis 1	3	1721200
1721407	General Topology	3	1721306
1721310	Probability Theory	3	1721201
1721311	Mathematical Statistics	3	1721310
1721312	Abstract Algebra 1	3	1721200
1721413	Complex Analysis	3	1721306
1721414	Mathematical Analysis 1	3	1721306
1721313	Statistical Techniques 1	3	1501212
1721412	Abstract Algebra 2	3	1721312
1721415	Numerical Methods	3	1721305
1721314	Vector Analysis	3	1721201
1721220	Applied Mathematics 1	3	1501210
1721390	Training	3	Dept. Approval
1721490	Research Seminar in Mathematics	1	Dept. Approval
B- Elective Courses (12) credit hours			
1721331	Statistical Techniques 2	3	1721313
1721332	Methods of teaching mathematics	3	Dept. Approval
1721333	Ordinary Differential Equations 2	3	1721203
1721405	Partial Differential Equations 2	3	1721305
1721340	Matrix Theory	3	1721202
1721341	Linear Programming	3	1721201
1721204	History of Mathematics	3	1721201
1721406	Real Analysis 2	3	1721306
1721320	Applied Mathematics 2	3	1721220
1721421	Applied Probability	3	1721310
1721422	Special Functions	3	1721203
1721420	Selected Topics in Mathematics	3	Dept. Approval
C- Support Compulsory Courses from other departments (6) credit hours			
1501220	General Physics 2	3	1501120
1501110	Numerical Analysis	3	1501110
4- Free Course: (3) credit hours***			

*Non-Jordanian students may take any subject offered instead of Military Science.

**All students must take a skill level test in Arabic and English languages. Students failing any of the tests shall register for a remediation course in the subject they failed which will be outside their study plan.

***simultaneously with; C.H. : Credit Hour