

Course Book (July - December 2021)**Department of Mathematics, AmritaVishwa Vidyapeetham, Amritapuri****2021-S1 Int. MSc Mathematics with minor in Data Science**

Code	Title	L-T-P	Cr	ES
18MAT107	Single Variable Calculus	3 1 0	4	A
18PHY105	Introduction to Mechanics	3 1 0	4	B
18MAT108	Vectors and Geometry	3 1 0	4	C
18ENG101	Communicative English	2 0 2	3	
18CSA102	Introduction to Programming 1	3 0 2	4	D
18SAN101/18MAL	(Language1) Sanskrit/ Malayalam	1 0 2	2	
18CUL101	Cultural Education 1	2 0 0	2	
18MAT181	Mathematics Lab 1	0 0 2	1	
		Total	24	

2020-S3 Int. MSc Mathematics with minor in Data Science

Code	Title	L-T-P	Cr	ES
18MAT209	Linear Algebra 1	3 1 0	4	A
18MAT210	Transforms & PDE	3 1 0	4	B
18MAT205	Introduction to Probability and Statistics	3 1 0	4	C
18CSA209	Data Structures & Algorithms	3 1 0	4	E
18ENV300	Environmental Science	3 0 0	3	D
18MAT283	Computing using R (Lab 1)	0 0 2	1	LI
18MAT284	Mathematics Lab 3	0 0 2	1	L2
18AVP201	Amrita Value Programme 1	1 0 0	1	
		Total	22	

2019-S5 Int M.Sc Mathematics with Minor in Data Sciences

Code	Title	L-T-P	Cr	ES
18MAT305	Real Analysis 2	3 1 0	4	A
18MAT304	Complex Analysis 1	3 1 0	4	B

18MAT310	Operations Research	3 1 0	4	C
18CSA308	Machine Learning 1	3 1 0	4	D
18SSK211	Life Skills 2	1 0 2	2	G
18MAT383	OR Lab	0 0 2	1	L1
18CSA386	Machine Learning Lab 1	0 0 2	1	L2
Open Elective				
18OEL239	Essence of Spiritual Literature		3	J
18OEL238	Emotional Intelligence		3	J
18OEL273	The Message of Bhagavad Gita		3	J
18OEL274	Understanding Travel and Tourism (Cap-50)			J
18OEL231	Advertising (Cap-50)	3-0-0	3	J
18OEL280	Ritual Performances of Kerala- cap 30			
		Total	23	

2018- S7 Int M.Sc Mathematics with Minor in Data

Code	Title	L-T-P	Cr	ES
18MAT507	Abstract Algebra 2	3 1 0	4	A
18MAT508	Real Analysis 3	3 1 0	4	B
18MAT506	Topology	3 1 0	4	D
18MAT509	Multivariate Statistics	3 1 0	4	C
18CSA506	Data Visualization	3 0 2	4	E
18CSA583	Computing Using R (Lab 3)	0 0 2	1	L1
18MAT591	Seminar	1 0 0	1	P
Total			22	

2017- S9 Int M.Sc Mathematics

Code	Title	L-T-P	Cr	ES
15MAT601	Advanced Topology	4 0 0	4	D
15MAT605	Differential Geometry	4 0 0	4	B
15MAT603	Measure and Integration	4 0 0	4	C

15MAT604	Operator Theory	4 0 0	4	A
15MAT652	Elective III-(15MAT652 Random Process)	3 0 0	3	L
		Total	19	

S3 M.Sc Mathematics 2020

Code	Title	L-T-P	Cr	ES
15MAT601	Advanced Topology	4 0 0	4	D
15MAT605	Differential Geometry	4 0 0	4	B
15MAT603	Measure and Integration	4 0 0	4	C
15MAT604	Operator Theory	4 0 0	4	A
15MAT652	Elective III-(15MAT652 Random Process)	3 0 0	3	L