

Course Book (July - December 2020)

Department of Mathematics, AmritaVishwa Vidyapeetham, Amritapuri

S1 Int. MSc Mathematics with minor in Data Science 2020

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

S3 Int. MSc Mathematics with minor in Data Science- 2019

Cat	Code	Title	Cr	ES
	18MAT209	Linear Algebra 1	4	D
	18MAT210	Transforms & PDE	4	A
	18MAT205	Introduction to Probability and Statistics	4	C
	18CSA209	Data Structures & Algorithms	4	B
	18ENV300	Environmental Science	3	H
	18MAT283	Computing using R (Lab 1)	1	L1
	18MAT284	Mathematics Lab 3	1	L2
	18AVP201	Amrita Value Programme 1	1	F
			22	

S5 Int M.Sc Mathematics with minor in data sciences -2018

Cat	Code	Title	Cr	ES
	18MAT305	Real Analysis 2	4	A
	18MAT304	Complex Analysis 1	4	B
		Open Elective B	3	
	18OEL238	Emotional Intelligence	3	
	18OEL245	Green Marketing	3	J
	18OEL250	Introduction to Ancient Indian Yogic and Vedic Wisdom	3	
	18OEL265	Non-Profit Organisation	3	
	18OEL273	The Message of Bhagavad Gita	3	
	18OEL274	Understanding Travel and Tourism	3	
	18OEL299	Hand Gesture Language of Kerala		
	18MAT310	Operations Research	4	C

	18CSA308	Machine Learning 1	4	D
	18MAT383	OR Lab	1	L1
	18CSA386	Machine Learning Lab 1	1	L2

21

S7 Int M.Sc Mathematics -2017

Cat	Code	Title	Cr	ES
	15MAT501	Advanced Algebra	4	A
	15MAT502	Advanced Real Analysis	4	B
	15MAT504	Ordinary Differential Equations	4	D
	15MAT511	Advanced Complex Analysis	4	C
	15MAT637	Linear Algebra and its applications (Elective I)	3	E
			19	

S1 M.Sc Mathematics -2020

Cat	Code	Title	Cr	ES
	15MAT501	Advanced Algebra	4	A
	15MAT502	Advanced Real Analysis	4	B
	15MAT504	Ordinary Differential Equations	4	D
	15MAT511	Advanced Complex Analysis	4	C
	15MAT637	Linear Algebra and its applications (Elective I)	3	E
	15CUL501	Cultural Education	P/F	F
			19	

S9 Int M.Sc Mathematics 2016

Cat	Code	Title	Cr	ES
	15MAT601	Advanced Topology	4	D
	15MAT605	Differential Geometry	4	B
	15MAT603	Measure and Integration	4	C
	15MAT604	Operator Theory	4	A
	15MAT652	Elective III - Random Process	3	L
			19	

S3 M.Sc Mathematics -2019

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

	15oe1657/18OEL657	Free/Open Elective / Live-in-Lab- 18OEL657 - Yoga and Personal Development	2	J
	18OEL646	MEDIA FOR SOCIAL CHANGE	2	