

DEPARTMENT OF MATHEMATICS						
Programme: B. Sc., Mathematics						Year: 2020 - 2023 Batch
Course Code	Course Title	Need				Rationale
		Local	National	Regional	Global	
20UMS101	Classical Algebra			✓		School and College teaching
20UMS102	Calculus			✓		School and College teaching
20UMS1A1	Mathematical Statistics-I		✓			UGC, CSIR and NET exams
20UMS203	Trigonometry, Vector Calculus and Fourier Series			✓		School and College teaching
20UMS204	Analytical Geometry			✓		School and College teaching
20UMS2A2	Mathematical Statistics-II		✓			UGC, CSIR and NET exams
20UMS305	Dynamics			✓		School and College teaching
20UMS306	Numerical Techniques				✓	Employability in IT sector
20UMS3N11 / 20UMS3N12	Quantitative Aptitude-I/ Astronomy-I		✓			UGC, CSIR and NET exams
20UMS407	Statics			✓		School and College teaching
20UMS408	Operations Research-I				✓	Pursue research
20UMS4N21 / 20UMS4N22	Quantitative Aptitude-II/ Astronomy-II		✓			UGC, CSIR and NET exams

20UMS509	Modern Algebra				✓	Pursue research
20UMS510	Real Analysis-I				✓	Pursue research
20UMS511	Operations Research-II				✓	Pursue research
20UMS512	Theory of Numbers			✓		School and College teaching
20UMS5E11	Programming in C				✓	Employability in IT sector
20UMS5E21	Programming lab in C				✓	Employability in IT sector
20UMS613	Linear Algebra				✓	Pursue research
20UMS614	Real Analysis-II				✓	Pursue research
20UMS615	Complex Analysis				✓	Pursue research
20UMS6E31	Discrete Mathematics			✓		School and College teaching
20UMS6E41	OOP with C++				✓	Employability in IT sector
20UMS6E51	Programming lab in OOP with C++				✓	Employability in IT sector

P. J. Jeyaraj

BoS chairman

Head, Department of Mathematics
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(Affiliated to Bharathiar University)
Pollachi - 642 001

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Programme: M. Sc., Mathematics						Year: 2020
Course Code	Course Title	Need				Rationale
		Local	National	Regional	Global	
20PMS101	Algebra				✓	Pursue research
20PMS102	Real Analysis				✓	Pursue research
20PMS103	Complex Analysis				✓	Pursue research
20PMS104	Ordinary Differential Equations				✓	Pursue research
20PMS1E1	Matlab				✓	Employability in IT sector
20PMS1E2	Programming Lab in Matlab				✓	Employability in IT sector
20PMS205	Linear Algebra				✓	Pursue research
20PMS206	Mathematical Statistics				✓	Pursue research
20PMS207	Partial Differential Equations				✓	Pursue research
20PMS208	Mechanics				✓	Pursue research
20PMS209	Numerical Analysis				✓	Employability in IT sector
20PMS210	Programming lab in Numerical Analysis using Matlab				✓	Employability in IT sector

20PMS2N1/ 20PMS2N2	Mathematical Statistics and Techniques/ Mathematics in Finance		✓			UGC, CSIR and NET exams
20PMS311	Topology				✓	Pursue research
20PMS312	Functional Analysis				✓	Pursue research
20PMS313	Combinatorics			✓		School and College teaching
20PMS314	Graph Theory		✓			UGC, CSIR and NET exams
20PMS415	Fluid Dynamics		✓			UGC, CSIR and NET exams
20PMS416	Operator Theory		✓			UGC, CSIR and NET exams
20PMS417	Control Theory				✓	Pursue research
20PMS4E5	Mathematical Methods		✓			UGC, CSIR and NET exams

V. Jithu
Bos Chairman

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