

MANGALORE UNIVERSITY
Bachelor of Science [B.Sc. (PCM / PMC / BZC)] Degree Programme

Semester-wise Course List
[Choice Based Credit System (CBCS)]
 (From 2019 Batch onwards)



CORE COURSE : MATHEMATICS

First Semester							
Group & Course Details		Instruction Hrs./Week	Duration of the Exam	Marks			Credits
				IA	Sem Exam	Total	
Group I : Core Courses							
BSCMTC131	Calculus & Analytical Geometry	04	03	20	80	100	02
BSCMTP132	Practicals : Lab I	03	03	10	40	50	01
Group II : Elective Course							
BSCMTCE133	Functions & Applications	02	02	10	40	50	01
Second Semester							
Group I : Core Courses							
BSCMTC181	Number Theory & Calculus	04	03	20	80	100	02
BSCMTP182	Practicals : Lab II	03	03	10	40	50	01
Group II : Elective Course							
BSCMTCE183	Vector Calculus	02	02	10	40	50	01
Third Semester							
Group I : Core Courses							
BSCMTC231	Sequences, Series & Differential Equations	04	03	20	80	100	02
BSCMTP232	Practicals : Lab III	03	03	10	40	50	01
Group II : Elective Course							
BSCMTCE233	Skill Development Techniques in Algebra & Calculus	02	02	10	40	50	01
Fourth Semester							
Group I : Core Courses							
BSCMTC281	Algebra & Complex Analysis	04	03	20	80	100	02
BSCMTP282	Practicals : Lab IV	03	03	10	40	50	01
Group II : Elective Course							
BSCMTOE283	Applications of Basic Arithmetics	02	02	10	40	50	01
Fifth Semester							
Group I : Core Courses							
BSCMTC331	Algebra & Laplace Transforms	03	03	20	80	100	02
BSCMTC332	Graph Theory (Special Course)	03	03	20	80	100	02
BSCMTP333	Discrete Mathematics (Special Course)			20	80	100	02
BSCMTP334	Practicals : Lab V	04	03	10	40	50	02
Sixth Semester							
Group I : Core Courses							
BSCMTC381	Numerical Analysis	03	03	20	80	100	02
BSCMTC382	Linear Algebra (Special Course)	03	03	20	80	100	02
BSCMTC383	Linear Programming (Special Course)			20	80	100	02
BSCMTC384	Partial Differential Equations (Special Course)			20	80	100	02
BSCMTP385	Practicals : Lab VI	04	03	10	40	50	02