

DEPARTMENT OF MATHEMATICS
Cochin University of Science and Technology

COURSE STRUCTURE - M.Sc (Mathematics)

(2012 ADMISSIONS onwards)

Semester I

Course Code Paper	C/E	Credits	Faculty	Pre requisites
MAM 2101 Linear Algebra	C	4		
MAM 2102 Real Analysis I	C	4		
MAM 2103 Topology I	C	4		
MAM 2104 Ordinary Differential Equations	C	4		
MAM 2105 Computational Mathematical Laboratory I	C	2		
Viva Voce	C	-		
Total Credits for Semester I		18		

Semester II

Course Code Paper	C/E	Credits	Faculty	Pre requisites
MAM 2201 Algebraic Structures	C	4		
MAM 2202 Functional Analysis I	C	4		
MAM 2203 Complex Analysis I	C	4		
MAM 2204 Measure & Integration	C	4		
MAM 2205 Computational Mathematical Laboratory II	C	2		
Viva Voce	C			
Total credits for Semester II		18		

Semester III

Course Code Paper	C/E	Credits	Faculty	Pre requisites
MAM 2301 Functional Analysis II	C	4		MAM 2202
MAM 2302 Complex Analysis II	C	4		MAM 2203
MAM 2303 Partial Differential Equations	C	4		
MAM 2304 Probability Theory I	C	4		
Elective	E	4		
Viva Voce	C			
Total credits for Semester III		20		

Semester IV

Course Code Paper	C/E	Credits	Faculty	Pre requisites
MAM 2401 Differential Geometry	C	4		
MAM 2402 Operations Research	C	4		
Elective II	E	4		
Elective III	E	4		
Viva Voce	C			
Project	E	4		
Total credits for Semester IV		16		

Total credits for successful completion the course : 72