



College of Science
Department of Mathematics
Master in M.Sc. in Mathematics

Course No.	Course Title	CH
MATH511	ALGEBRA	3
MATH581	TOPICS IN APPLIED MATHEMATICS	3
MATHS500	FUNDAMENTALS OF ANALYSIS	3
MATHS505	ORDINARY DIFFERENTIAL EQUATIONS 1	3
MATHS541	ADVANCED COMPLEX ANALYSIS	3
MATHS599	THESIS	6
ELECTIVES (15 CH)		
MATH584	FOURIER SERIES & BOUN.VA. PROB.	3
MATHS503	MEASURE AND INTEGRATION	3
MATHS504	TOPICS IN FUNCTIONAL ANALYSIS	3
MATHS509	PARTIAL DIFFERENTIAL EQUATIONS	3
MATHS512	INTRODUCTION TO COMMUTATIVE ALGEBRA	3
MATHS513	PRESENTATION OF GROUPS	3
MATHS514	TOPICS IN ALGEBRA	3
MATHS515	ADVANCED TOPOLOGY 1	3
MATHS516	ALGEBRAIC TOPOLOGY	3

MATHS517	AXIOMATIC SET THEORY	3
MATHS518	ORDINARY DIFFERENTIAL EQUATIONS 2	3
MATHS519	LINEAR OPERATORS	3
MATHS520	TOPICS IN ADVANCED FUNCTIONAL ANALYSIS	3
MATHS521	TOPICS IN ADVANCED MATHEMATICAL ANALYSIS	3
MATHS522	ASYMPTOTIC ANALYSIS	3
MATHS523	THEORY OF BEST APPROXIMATION IN BANACH SPACES	3
MATHS524	TOPOLOGICAL VECTOR SPACES	3
MATHS531	TOPICS IN NUMERICAL ANALYSIS	3
MATHS536	INTRODUCTION TO ALGEBRAIC CODING THEORY	3
MATHS537	MODEL THEORETIC ALGEBRA	3
MATHS542	ADVANCED COMPLEX ANALYSIS 2	3
MATHS551	STATISTICAL MECHANICS	3
MATHS552	FLUID MECHANICS	3
MATHS553	MATHEMATICAL RELATIVITY	3
MATHS554	MATHEMATICAL THEORY OF WAVES	3
MATHS555	MATHEMATICAL THEORY OF ELASTICITY	3
MATHS562	MATHEMATICAL MODELLING 1	3
MATHS563	MATHEMATICAL MODELLING 2	3
MATHS580	NUMERICAL METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS	3
MATHS582	SPECIAL FUNCTIONS	3
MATHS586	MATHEMATICAL STATISTICS	3
Total Credits		36

University of Bahrain

**Deanship of Graduate Studies
& Scientific Research**



جامعة البحرين

عمادة الدراسات العليا والبحث العلمي