

SIKKIM SKILL UNIVERSITY
NAMTHANG, SOUTH SIKKIM, SIKKIM



MASTER OF SCIENCE (MATHEMATICS)
(FOUR SEMESTERS)

SYLLABUS

SEMESTER- I

SUBJECT CODE	SUBJECT TITLE	SEE MARKS	CIA MARKS	CREDITS
MSCM0101	ALGEBRA-I	70	30	4
MSCM0102	REAL ANALYSIS-I	70	30	4
MSCM0103	COMPLEX ANALYSIS	70	30	4
MSCM0104	ORDINARY DIFFERENTIAL EQUATIONS AND SPECIAL FUNCTIONS	70	30	4
MSCM0105	MATHEMATICAL METHODS	70	30	4
MSCM0106	INTRODUCTION TO COMPUTER ALGEBRA SYSTEM LAB	70	30	3

SEMESTER- II

SUBJECT CODE	SUBJECT TITLE	SEE MARKS	CIA MARKS	CREDITS
MSCM0201	ALGEBRA-II	70	30	4
MSCM0202	REAL ANALYSIS-II	70	30	4
MSCM0203	MECHANICS-I	70	30	4
MSCM0204	PARTIAL DIFFERENTIAL EQUATIONS	70	30	4
MSCM0205	NUMERICAL ANALYSIS	70	30	4
MSCM0206	NUMERICAL ANALYSIS (LAB)	70	30	3

SEMESTER- III

SUBJECT CODE	SUBJECT TITLE	SEE MARKS	CIA MARKS	CREDITS
MSCM0301	TOPOLOGY	70	30	4
MSCM0302	NUMBER THEORY AND CRYPTOGRAPHY	70	30	4
MSCM0303	MATHEMATICAL STATISTICS	70	30	4
MSCM0304	FUNCTIONAL ANALYSIS	70	30	4
MSCM0305	MECHANICS-II	70	30	4
MSCM0306	NUMBER THEORY AND CRYPTOGRAPHY (LAB)	70	30	2

SEMESTER- IV

SUBJECT CODE	SUBJECT TITLE	SEE MARKS	CIA MARKS	CREDITS
MSCM0401	DIFFERENTIAL GEOMETRY	70	30	4
MSCM0402	CODING THEORY	70	30	4
MSCM0403	OPERATIONS RESEARCH	70	30	4
MSCM0404	ADVANCED NUMBER THEORY	70	30	4
MSCM0405	ADVANCED COMPLEX ANALYSIS	70	30	4
MSCM0406	PROJECT	70	30	6