

M.Sc. (Computer Science)
SEMESTER SYSTEM FORM & COURSES wef 2016-2017

FIRST SEMESTER OF MSc(CS)

Sub Code	Name of the Subject	No. of Credits	Int. Marks	Ext. Marks	Total Marks	Hours/ Week
MCS 101	Data Structures in C	5	30	70	100	4
MCS 102	Object Oriented Programming with Java	4	30	70	100	4
MCS 103	Computer Organization	5	30	70	100	4
MCS 104	Discrete Mathematical Structures	4	30	70	100	4
MCS 105	Software Engineering	5	30	70	100	4
MCS 106	Data Structures Lab using C	3	30	70	100	6
MCS 107	Java Programming Lab	3	30	70	100	6
MCS 108	Seminar	1	50	--	50	3
TOTAL		30	260	490	750	35

SECOND SEMESTER OF MSc(CS)

Sub Code	Name of the Subject	No. of Credits	Int. Marks	Ext. Marks	Total Marks	Hours/ Week
MCS 201	Web Technology	4	30	70	100	4
MCS 202	Database Management Systems	5	30	70	100	4
MCS 203	Operating Systems	5	30	70	100	4
MCS 204	Computer Networks	4	30	70	100	4
MCS 205	Design & Analysis of Algorithms	5	30	70	100	4
MCS 206	Web Technology Lab	3	30	70	100	6
MCS 207	DBMS Lab	3	30	70	100	6
MCS 208	Communication Skills	1	50	--	50	3
TOTAL		30	260	490	750	35
Non-Core		4	30	70	100	4

THIRD SEMESTER MSc(CS)

Sub Code	Name of the Subject	No. of Credits	Int. Marks	Ext. Marks	Total Marks	Hours/ Week
MCS 301	Python Programming	5	30	70	100	4
MCS 302	.Net Programming	5	30	70	100	4
MCS 303	Object Oriented Modeling & Design using UML	5	30	70	100	4
MCS 304.1 / 304.2	Distributed Systems / Microprocessors & Interfacing	4	30	70	100	4
MCS 305.1 / 305.2	Cryptography & Network Security / Computer Graphics	4	30	70	100	4
MCS 306	Python Programming Lab	3	30	70	100	6
MCS 307	.Net Programming Lab	3	30	70	100	6
MCS 308	Seminar	1	50	--	50	3
TOTAL		30	260	490	750	35
Non-Core		4	30	70	100	4

FOURTH SEMESTER OF MSc(CS)

Sub Code	Name of the Subject	No. of Credits	Int. Marks	Ext. Marks	Total Marks	Hours/ Week
MCS 401	Data Warehousing & Data Mining	5	30	70	100	4
MCS 402.1 / 402.2	Embedded systems / Cloud Computing	5	30	70	100	4
MCS 403.1 / 403.2	Artificial Intelligence / Mobile Computing	4	30	70	100	4
MCS 404	Soft Skills	1	50	--	50	3
MCS 405	Project	10	30	70	100	20
TOTAL		25	170	280	450	35