

# CLUSTER INNOVATION CENTRE

(University of Delhi)



**Meta University Concept based Course**

**M.Sc. (MATHEMATICS EDUCATION)**

*A joint degree postgraduate program by*

*University of Delhi & Jamia Millia Islamia*



## M.Sc. (MATHEMATICS EDUCATION)

### COURSE STRUCTURE

Duration of the Course: Four Semester (Two years)

Each Semester: 16 weeks

I Credit: 16 hrs of Theory/ Guided Projects

Total No. of Credits to be acquired for the course: 96

SEMESTER I				
S. No.	Paper Title	Offering Centre	Credits	Maximum Marks
I.1	Calculus: Role in real life	CIC,DU	5	150
I.2	Perspectives in Mathematics Education	CIC,DU	5	150
I.3	Paper option 1 from JMI*	AJKMCRC, JMI	3	100
I.4	Paper option 2 from JMI*	AJKMCRC, JMI	3	100
I.5	Innovation Project-I: Interlinking mathematics and real life problems	CIC,DU/JMI	8	200

SEMESTER II				
S. No.	Paper Title	Offering Centre	Credits	Maximum Marks
II.1	Demystifying the power of data: Probability & Statistics	CIC,DU	5	150
II.2	Curriculum and Evaluation in Mathematics	CIC,DU	5	150
II.3	ICT in Mathematics Education	CIC,DU	3	100
II.4	Learning ways of Mathematical writing	CIC,DU	3	100
II.5	Innovation Project: Internship in Educational setting-I	CIC,DU/JMI	8	200

<b>SEMESTER III</b>				
S. No.	Paper Title	Offering Centre	Credits	Maximum Marks
III.1	Discretizing and understanding Real Life Situations Through a Mathematical Lens	CIC,DU	5	150
III.2	Art of Teaching Mathematics	CIC,DU	5	150
III.3	Digital Technology in Mathematics Education	CIC,DU	3	100
III.4	Research Methodology in Education	CIC,DU	3	100
III.5	Innovation Project-III: Internship in Educational Setting-II	CIC,DU/JMI	8	200

<b>SEMESTER IV</b>				
S. No.	Paper Title	Offering Centre	Credits	Maximum Marks
IV.1	Understanding mathematical language of ordinary differential equations and complex analysis	CIC,DU	5	150
IV.2	Research Investigation in Mathematics Education	CIC,DU	5	150
IV.3	Paper option 3 from JMI*	AJKMCRC, JMI	3	100
IV.4	Paper option 4 from JMI*	AJKMCRC, JMI	3	100
IV.5	Innovation Project-IV: Research Dissertation	CIC,DU/JMI	8	200

\* List of papers to be opted from JMI

Note:

The decision to offer two or three specific papers approved by Academic Council of JMI varies from semester to semester. Syllabus of the papers to be opted from JMI presently is as per approved syllabi of AJKMCRC.