



DIRECTORATE OF DISTANCE & ONLINE EDUCATION

M.Sc. (MATHEMATICS)

COURSE BROCHURE (2026-27)

INTRODUCTION

Our M.Sc. in Mathematics programme is a two-year (four-semester) postgraduate course offered by Mangalayatan University through online distance learning. The course curriculum is designed to build students' academic foundation with advanced mathematical concepts. The semester modules comprise both core mathematical theories, including real and complex analysis, abstract algebra, topology, differential geometry, and numerical methods.

The course offers flexible online distance learning options for working professionals to prepare them for diverse career paths and career transition opportunities. Students who aspire to research or doctoral studies will be guided to learn mathematical techniques for industry roles such as data analysis, academics, and finance.

MISSION

- ❖ To educate students in applied mathematics to develop their understanding of modern mathematical applications.
- ❖ To encourage students to foster analytical abilities to resolve complex mathematical problems.
- ❖ To motivate them to prepare for doctoral-level studies and scholarly work in mathematics.
- ❖ To enhance employability by focusing on key skills and competencies required for their careers in academia, industry, and government.

OBJECTIVES

The primary purpose of the M.Sc. in Mathematics (Online Distance Learning) at Mangalayatan University is to prepare students with the fundamentals of computational competencies, deepen theoretical foundations, and promote research methodology to facilitate professional growth. With applied mathematics, we encourage students to model, analyze, and solve practical problems with mathematical methods. With the advanced course curriculum, students' critical thinking and reasoning abilities are enhanced to logically think and develop arguments to manage projects efficiently. Students can take roles of quantitative analyst, lecturer, or research scientist.

INSTRUCTIONAL DESIGN

The programme is segmented into four semesters, and the minimum credit requirement is 80 to get an ODL M.Sc. Mathematics degree from Mangalayatan University. The minimum time period to complete the M.Sc. Mathematics degree programme will be two years, and the maximum time period (extended) is three years to pursue the ODL M.Sc. Mathematics degree.

SEMESTER - I						
S.No.	Course Code	Course	Credit	Continuous Assessment	Term End Exam	Grand Total
		Theory		MAX	MAX	
1	MMM-6111	Abstract Algebra	4	30	70	100
2	MMM-6112	Classical Mechanics	4	30	70	100
3	MMM-6113	Partial Differential Equations	4	30	70	100
4	MMM-6114	Real Analysis	4	30	70	100
5	MMM-6115	Differential Geometry	4	30	70	100
TOTAL			20	150	350	500

SEMESTER - II

S.No.	Course Code	Course	Credit	Continuous Assessment	Term End Exam	Grand Total
		Theory		MAX	MAX	
1	MMM-6211	Operations Research	4	30	70	100
2	MMM-6212	General Topology	4	30	70	100
3	MMM-6213	Complex Analysis	4	30	70	100
4	MMM-6214	Numerical Methods	4	30	70	100
5	MMM-6215	Programming in C	2	30	70	100
6	MMM-6251	Programming in C Lab	2	30	100	100
TOTAL			20	180	450	600

SEMESTER - III

S.No.	Course Code	Course	Credit	Continuous Assessment	Term End Exam	Grand Total
		Theory		MAX	MAX	
1	MMM-7111	Advanced linear Algebra	4	30	70	100
2	MMM-7112	Research Methodology	4	30	70	100
3	MMM-7113	Functional Analysis	4	30	70	100
4	MMM-7114	Mathematical Methods	4	30	70	100
5	MMM-7115	Measure Theory	4	30	70	100
TOTAL			20	150	350	500

SEMESTER - IV

S.No.	Course Code	Course	Credit	Continuous Assessment	Term End Exam	Grand Total
		Theory		MAX	MAX	
1	MMM-7211	Fluid Dynamics	4	30	70	100
2	MMM-7212	Graph Theory	4	30	70	100
3	MMM-7214	Advanced Number Theory	4	30	70	100
4	MMM-7215	Mathematical Statistics	4	30	70	100
5	MMM-7291	Project	4	30	100	100
TOTAL			20	120	380	500

SYLLABI AND COURSE MATERIALS

Syllabi and self-learning materials are developed by our experienced faculty members of Mangalayatan University. The course content is approved by CIQA and the Board of Studies/Academic Council/Executive Council of India (UGC).

STUDY MATERIAL

The study material for the programme is developed in a digital format and shall be supplied to the students unit-wise for each course per semester.

ONLINE COUNSELLING SESSIONS

The online counselling sessions shall be scheduled beforehand by the subject coordinator. There shall be 6 online counselling sessions of 1 hour each for a 4-credit course, held on Saturdays and Sundays. For courses with 2 credits, there shall be 4 sessions of 1 hour each; for 6-credit classes, 8 sessions of 1 hour each.

STUDENT SUPPORT SYSTEMS

The university will appoint programme coordinators, course coordinator and course mentors to facilitate the learners in their learning.

Finally, The university has made appropriate arrangements for various support services including online counselling and resource-oriented-services, evaluation methods for both on and off line modes for easy and smooth services to the students' through online mode.

PROCEDURE FOR ADMISSIONS, CURRICULUM, TRANSACTION AND EVALUATION

FEE STRUCTURE							
Name of the Program	Degree	Duration	One Time Reg. Fee	Semester Fee	Exam Fee Per Semester	Full Year Fee	Total Fees
M.Sc. (Mathematics)	PG	2 Years	1000	12000	1500	28000	55000
Total							55000

ACTIVITY SCHEDULE					
S.NO.	Name of the Activity	Tentative months schedule (specify months) during year			
		July Division		January Division	
		From(Month)	To (Month)	From(Month)	To (Month)
1	Admission	Jul	Sep	Jan	Mar
2	Assignment submission (if any)	Sep	Oct	Mar	Apr
3	Evaluation of Assignment	Oct	Nov	Apr	May
4	Examination	Dec	Dec	Jun	Jun
5	Declaration of Result	Jan	Jan	Jul	Jul
6	Re-registration	Jul	Jul	Jan	Jan

* These dates are tentative.

CREDIT SYSTEM

Duration of the Programme	Credits	Name of the Programme	Level of the Programme
2 to 4 Yrs.	80	M.Sc. (Mathematics)	Master's Degree

WHY DISTANCE EDUCATION?

- ❖ Convenience of studying classes from home.
- ❖ Cost-Effective.
- ❖ Time saving.
- ❖ No commuting.
- ❖ Monetary benefits- No textbooks required.
- ❖ Study anytime, anywhere.

ADMISSION PROCESS

- ❖ Register with Mangalayatan Distance learning Programmes
- ❖ Pay Registration fees through our available payment gateways
- ❖ Upload relevant documents and mark sheets
- ❖ Get provisional admission
- ❖ Pay semester fees
- ❖ Get admission confirmation from the University
- ❖ Roll number allotted to every student



Contact Us

 +91 7827038309

 admissions@mangalayatan.edu.in

 www.mude.ac.in