

DEPARTMENT OF MATHEMATICS

"Mathematics is the language with which god wrote the Universe." - Galileo

The Department of Mathematics from its inception to the present has evolved and grown into a Department with a healthy balance between pure and applied mathematics. The Department has a vibrant research atmosphere backed up by excellent infrastructural facilities, including modern computer laboratory and a good Departmental library. The Department has succeeded in this endeavour and over the years has produced highly qualified and motivated Mathematicians to provide leadership in Educational Institutions, R&D organizations and Software Industry so on the department has striven to set high standards of teaching and research. Accordingly, the Department continuously reviews and monitors the curriculum of its academic programmes as offers Undergraduate and Postgraduate programmes with an appropriate blend of pure and applied Mathematics courses and job oriented courses.

- Course Offered** : **Master of Science (M.Sc.), Master of Arts (M.A.) Mathematics**
Eligibility : 10+2+3 with 55% from University of Rajasthan/any other University in Rajasthan State or 60% from any recognized University outside Rajasthan, in Science Stream (Physics, Chemistry and Mathematics) and for arts stream, mathematics at graduation level.
Duration : Four Semesters (Two Years)
Affiliating Body : University of Rajasthan
Fee :

Class	Annual Fee	Examination Fee for Two Semesters	Caution Money	Enrollment / Eligibility Fee	Transfer/ Character Certificate	Total Fee Payable
M. Sc. Mathematics (1st and 2nd Sem.)	14900	1200	1000	400		17500
M. Sc. Mathematics (3rd and 4th Sem.)	15100	1200			200	16500

Nomenclature of the Course :

I Semester- Algebra I (MAT 101), Real Analysis (MAT 102), Differential Equation I (MAT 103), Differential Geometry (MAT 104), Dynamics of Rigid Bodies (MAT 105), Calculus of Variation and Special Function I (MAT 106)

II Semester - Algebra II (MAT 201), Topology (MAT 202), Differential Equation II (MAT 203), Riemannian geometry and Tensor Analysis (MAT 204), Hydrodynamics (MAT 205), Special Functions II (MAT 206)

III Semester- Functional Analysis-I (MAT 301), Viscous Fluid Dynamics-I (MAT 302), Mathematical Programming-I (MAT C01), Integral Transforms (MAT E01), Relativistic Mechanics (MAT F01), Numerical Analysis-I (MAT G01)

IV Semester - Functional Analysis-II and Advanced Calculus (MAT 401), Viscous Fluid Dynamics-II (MAT 402), Mathematical Programming-II (MAT C02), Integral Equations (MAT E02), General Relativity and Cosmology (MAT F02), Numerical Analysis-II (MAT G02)

DEPARTMENT OF ZOOLOGY

"A cell is regarded as the true Biological Atom." - George Henry Lewes

The Department of Zoology was established in 2014 after up-gradation of the college as an Autonomous college. The vision to develop this department is to provide quality science education and ignite the mind of the young students towards the molecular aspects of the basic science which could provide the rationale for investigation, through research activities. The department comprises a group of highly qualified, motivated and competent faculty members who are committed to providing quality education along with the development of talents and skills. The department has good infrastructure facilities viz. ITC enabled class rooms with well equipped laboratory having variety of museum specimens, slides and equipments : such as Hot Air Oven, Laboratory Shakers, Centrifuge Machine, Incubator, Laminar Air Flow, Microscopes etc. A rich collection of reference book and journals are available in departmental library and are accessed by the faculty as well as students.

- Course Offered** : **Master of Science (M.Sc.) Zoology**
Specialization (Core Electives) : Cell & Molecular Biology, Environmental Toxicology, Entomology
Eligibility : 10+2+3 with 55% from University of Rajasthan/any other University in Rajasthan State or 60% from any recognized University outside Rajasthan, In Science Stream (Zoology, Botany and Chemistry)
Duration : Four Semesters (Two Years)
Affiliating Body : University of Rajasthan

