Admission Guidelines for M.S. and Ph.D. Programmes in Mathematics

2013-14

Ref: MS-PhD-MAT-2013

The Department of Mathematics in the School of Natural Sciences at Shiv Nadar University invites applications for admission in its M.S. and Ph.D. programs for the academic year 2013-14. The next admissions will be in to the Monsoon Semester, starting August 2013.

There is a common application form for the M.S. and Ph.D. programs, available at the SNU website at http://snu.edu.in/pdf/snu_sns_application_form.pdf. The deadline for application is June 30, 2013. (You can apply without waiting for the results of your current semester/year.)

The application form must be accompanied by the required supporting documents, and a non-refundable demand draft of Rs. 1,000/- (in favor of “Shiv Nadar University” payable at Delhi).

Admission will be on the basis of a written test and interview.

Master of Science (M.S.) in Mathematics

Our two-year M.S. degree epitomizes SNU’s development of innovative offerings that open new avenues for students. Our students will have the training, the exposure, and the creative thinking needed to develop new mathematics and to take on challenges such as detecting cancer, managing financial risk, modeling complex systems, etc. At the same time our students shall be well exposed to the rigour of mathematics. The M.S. degree can be used to provide the base for a Ph.D. in pure or applied mathematics, or a career in industry as well as in education.

1. The first year constitutes a program in essential graduate mathematics. Every course has an initial “bridge” component that will enable students from diverse backgrounds to make the step to research mathematics. Students may choose to exit after this year with a Postgraduate Diploma, provided they fulfill the credit requirements for the diploma.

2. Second year courses offer the student a full range of options from pure and applied mathematics - Galois Theory, Graph Theory, Differential Geometry, Fourier Analysis, Numerical Linear Algebra, Numerical Differential Equations, Optimization, Stochastic Processes, etc.

3. The second year includes a project that can take various forms - such as a reading seminar in a special topic, or participation in a multi-disciplinary team working on an application of mathematics.

4. Eligibility: A Bachelor’s Degree in Mathematics/Physics/Science or similar disciplines with overall marks of at least 60% (or equivalent grade). Please enquire in case you have a different background or are uncertain about your eligibility for any reason.

5. Fees and Financial Aid: Shiv Nadar University grants full scholarship to all its students pursuing Master’s programs. The scholarship covers Tuition, Special and Hostel fees. In addition, admitted Master’s students are eligible for a Fellowship/Teaching assistantship of Rs. 1.65 lakhs/annum. (Scholarship continuation is contingent on meeting the declared academic and non-academic performance criteria.)
All admitted Master’s students will be required to pay only the following living and administrative expenses:
- Admission Fees (One Time) - Rs. 15,000
- Refundable deposit (One time) - Rs. 25,000
- Food and laundry payable on actuals, estimated at around Rs. 3,000 per month.

Ph.D. in Mathematics

The Department of Mathematics carries out research in a range of pure and applied mathematics. The department has a close relationship with the Institute for Innovations and Inventions with Mathematics and IT (IIIMIT), a research centre at SNU dedicated to applications of mathematics and computing to real-world problems. Research is supported by facilities such as Mathematica and Matlab licenses, a generous library budget for books, subscriptions to individual journals as well as collections such as JSTOR, Springer Link, AMS and SIAM, and travel grants for workshops and conferences.

Current research areas of our faculty include Number Theory, Quantum Groups, Game Theory, Graph Theory, Network Theory, Numerical Analysis, Ordinary & Partial Differential Equations, Dynamical Systems, Bioinformatics, Probability, Functional Analysis, Operator Theory, Harmonic Analysis, Mathematical Finance, and Mathematics Education.

1. **Eligibility:** A Master’s Degree in Mathematics or related disciplines with overall marks of at least 60% (or equivalent grade). Please enquire in case you are uncertain about your eligibility for any reason.

2. **Fees and Financial Aid:** Shiv Nadar University grants full scholarship to all its Ph.D. students. The scholarship covers Tuition, Special and Hostel fees. In addition, Ph.D. students are eligible for a Fellowship/Teaching assistantship of Rs. 5.45 lakhs/annum. (Scholarship continuation is contingent on meeting the declared academic and non-academic performance criteria.)

All admitted Ph.D. students will be required to pay only the following living and administrative expenses:
- Admission Fees (One Time) - Rs. 15,000
- Refundable deposit (One time) - Rs. 25,000
- Food and laundry payable on actuals, estimated at around Rs. 3,000 per month.

Contact Us:

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SNU Website: [www.snu.edu.in](http://www.snu.edu.in)