

SCHOOL OF UNDERGRADUATE STUDIES (SUS)

SUS aims to redefine the ways in which undergraduate education is perceived by adopting a multidisciplinary approach to studies covering a range of Foundational and Special Interest Courses.

BA HONOURS IN MATHEMATICS

The Core Courses in Mathematics cover Abstract Algebra, Linear Algebra, Calculus, Analysis, Differential Equations, Probability and Statistics, Numerical Analysis, and areas related to Operations Research.

Elective Courses in Mathematics include topics like Discrete Mathematics, Lattices and Boolean Algebra, Mathematics for Computer Science, Number Theory and Cryptography, Mathematical Finance, Actuarial Mathematics and Mathematical Modelling.

Students are taught to use spreadsheet programmes, statistical packages and computer algebra systems. They also learn programming.

A key aspect of the courses in Mathematics is the emphasis on examples from real life, which bring to the fore the extraordinary applicability and effectiveness of mathematics.

The students will be in a position to choose an academic career in mathematics or an allied discipline. They can also pursue careers in finance or management, banking, insurance, software development, consultancy, Government, non-government sector, corporate sector, media and publishing, to name a few.

MATHEMATICS DISCIPLINE COURSES

Core Courses (Required: 12 courses, 48 credits)

Core Required Courses:

Introduction to Mathematical Thinking
Algebra I
Algebra II
Algebra III
Analysis I
Analysis II
Analysis III
Numerical Analysis
Probability and Statistics
Ordinary Differential Equations
Linear Optimisation and Applications

Elective Courses

Discrete Mathematics
Lattices and Boolean Algebra
Mathematics for Computer Science
Number Theory and Cryptography
Mathematical Finance
Actuarial Mathematics
Advanced Algebra
or
Partial Differential Equations
Advanced Analysis
or
Mathematical Modelling

ATTENDANCE, ASSESSMENT AND EVALUATION

Regular attendance is a precondition of learning at AUD. Students are expected to attend classes and required learning situations (lab/ tutorial sessions, fieldtrips, workshops, etc.) as well as orientation sessions. **AUD mandates a minimum 70% attendance in each course in every semester.** Specific penalties for low attendance are notified from time to time by the Dean SUS and Dean Student Services. These may include mandatory 'grade cuts' based on a sliding scale of attendance shortfall, withholding of grade card/ transcript or other actions. A certain number of absences can be excused on grounds of medical emergency (documented illness).

AUD follows a system of continuous assessment and evaluation to facilitate and promote learning with understanding. The continuous assessment system ensures that the work done by students during the semester will count for more than the end-semester examination. Tutorials and mentoring will be important features of all programmes.

DURATION 3 years (6 semesters) Full Time

NUMBER OF CREDITS 48 or more 'Subject' (or discipline) credits plus other credits (Foundation, non-Subject and Special Interest Courses) adding up to at least 96 credits

FEES* Rs.1,000 per credit + Rs.500 per semester for Student Welfare Fund + Rs. 5,000 refundable caution deposit. Partial/ full fee waivers and scholarships available. (*subject to approval)

MEDIUM OF INSTRUCTION English

AMBEDKAR UNIVERSITY DELHI (AUD)
LOTHIAN ROAD, KASHMERE GATE, DELHI 110 006



FEATURES OF THE PROGRAMME

The Programme is one of the most versatile degrees in terms of skills, knowledge base and career options.

It cultivates a range of skills like the abilities to question, reason, analyse, infer and communicate. These are essential skills for a student to possess.

It provides students with an opportunity to develop their computational skills.

The flexible framework of the credit based semester system provides the perfect opportunity to develop a good foundation in modern Mathematics.

The scope of the subject can be broadened by opting for courses in a variety of disciplines like Economics, English and Psychology, among others.

ADMISSIONS 2014

SEATS

35 (including reservations in accordance with the Government of NCT of Delhi norms).

HOSTEL

AUD has about 40 seats for women in its Hostel in Kashmere Gate and about 20 seats for men in Dwarka.

ELIGIBILITY (Essential)

Candidates must have obtained a minimum of 65% in Mathematics in the class XII examination from a recognised Board.

The marks obtained in Mathematics in the XII Board Examination must be included in the calculation of the aggregate of the Best Four subjects, which will not include any vocational subject.

A Merit List will be prepared on the basis of the marks obtained in these Best Four subjects.

Meeting the eligibility criteria alone will not ensure admission, which will be strictly on the basis of merit as per the rules.

Relaxation in marks for reserved categories as per the Government of NCT of Delhi norms.

REGISTRATION

1 May to 16 June 2014

FIRST ADMISSION LIST

12 July 2014

SECOND ADMISSION LIST

17 July 2014

SECOND ADMISSION LIST

23 July 2014

APPLICATION FEES: Rs.300
(Rs.150 for SC/ST/PD)



For more information: www.aud.ac.in
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BA HONOURS IN MATHEMATICS

2014-2017

School of
Undergraduate
Studies

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