

**DEPARTMENT OF GENETICS
FACULTY OF INTERDISCIPLINARY & APPLIED SCIENCES
UNIVERSITY OF DELHI SOUTH CAMPUS**

Syllabus for Ph.D course work

The department offers the following three papers for Ph. D course work

Paper I (PGEN01): Advances in Genetics – I

Paper II (PGEN02): Advances in Genetics –II

Paper II (PGEN03): Research Methodology

PGEN01 and **PGEN02** are aimed at introducing to the students the salient features of several model systems, highlighting their utility in genetics and genomics research. They will also be updated on the advances in both basic and applied aspects of contemporarily significant areas in genetics, genomics and biotechnology research across life sciences.

PGEN03 is aimed at teaching the essentials to fresh Ph.D students to train them in the appropriate methods that they should inculcate early on in their scientific pursuit. It is proposed to teach this course in an interactive mode and taking in-house examples. It is projected to follow mainly a continuous evaluation mode for this paper based on assignments and presentations.

These courses are also open for students from other departments. The students of the department are also free to choose papers from Ph.D courses offered by other departments. A student has to pass three papers in one year (two semesters), including one on research methodology to have successfully completed the Ph.D. course work.

Evaluation: All three papers will have components of end semester examination and continuing evaluation. The total marks for each paper will be 100. A student has to score 50 marks to pass a paper. The distribution of marks will be as follows:

Paper	Total marks (100)	
	End semester examination	Continuing Assessment
PGEN01	70	30
PGEN02	70	30
PGEN03	50	50

All three courses will be offered in the July to December semester.



