

Course Title with Credit Load
M.Sc. (Ag) in Genetics and Plant Breeding (GPB)

Course Code	Course Title	Credit Hours
GPB 501*	Principles of Genetics	3 (2+1)
GPB 502*	Principles of Plant Breeding	3 (2+1)
GPB 503*	Fundamentals of Quantitative Genetics	3 (2+1)
GPB 504	Varietal Development and Maintenance Breeding	2 (1+1)
GPB 505	Principles of Cytogenetics	3 (2+1)
GPB 506*	Molecular Breeding and Bioinformatics	3 (2+1)
GPB 507	Breeding for Quality and Special Traits	3 (2+1)
GPB 508	Mutagenesis and Mutation Breeding	3 (2+1)
GPB 509	Hybrid Breeding	3 (2+1)
GPB 510	Seed Production and Certification	2 (1+1)
GPB 511	Crop Breeding-I (<i>Kharif</i> Crops)	3 (2+1)
GPB 512	Crop Breeding-II (<i>Rabi</i> Crops)	3 (2+1)
GPB 513	Breeding Vegetable Crops	3 (2+1)
GPB 514	Breeding Fruit Crops	3 (2+1)
GPB 515	Breeding Ornamental Crops	3 (2+1)
GPB 516	Breeding for Stress Resistance and Climate Change	3 (2+1)
GPB 517	Germplasm Characterization and Evaluation	2 (1+1)
GPB 518	Genetic enhancement for PGR Utilization	2 (1+1)
	Major courses (Minimum 20 credits from above courses including *marked Courses)	20
	Minor courses	08
	Supporting courses	06
	Common compulsory courses	05
GPB 591	Master's Seminar	01
GPB 599	Thesis/ Research	30
Total Credits		70

*Compulsory Major Courses



Shri Vaishnav Vidyapeeth Vishwavidyalaya
Shri Vaishnav Institute of Agriculture, Indore
Post Graduate Degree Program M.Sc. (Ag.) Genetics and Plant Breeding
SEMESTER – I **Session: 2023-24**

SR. NO.	COURSE CODE	COURSE NAME	EVALUATION SCHEME								
			THEORY			PRACTICAL		Th (credit)	P (credit)	SUB TOTAL CREDITS	TOTAL MARKS
			End Sem University Exam	Mid Sem Test	Teachers Assessment*	End Sem University Exam	Teachers Assessment*				
1.	GPB 501	Principles Of Genetics	50	30	0	15	5	2	1	3	100
2.	GPB 502	Principles Of Plant Breeding	50	30	0	15	5	2	1	3	100
3.	GPB 503	Fundamentals Of Quantitative Genetics	50	30	0	15	5	2	1	3	100
4.	GPB 511	Crop Breeding-I (<i>Kharif</i> Crops)	50	30	0	15	5	2	1	3	100
5.	MBB 501	Principles Of Biotechnology	50	40	10	00	00	3	0	3	100
6.	STAT 511	Experimental Designs	50	30	0	15	5	2	1	3	100
								Total credit		18	600

***Non-credit compulsory courses**

7.	*PGS 501	Library And Information Services	0	0	0	60	40	0	1	1	NC
8.	*PGS 502	Technical Writing And Communications Skills	0	0	0	60	40	0	1	1	NC
9.	*PGS 503	Intellectual Property And Its Management In Agriculture	50	40	10	0	0	1	0	1	NC

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