



Ph.D. Agriculture (Genetics and Plant Breeding)

Program Scheme

School of Agriculture

ITM University, Gwalior, Madhya Pradesh 474001



Semester I

Sl. No.	Course Title	Subject Code	Credits		Cours stribu		Total work load Hrs./Week	Nature
110.				L	Р	S/R		
1	Advances in Plant Breeding System	GPB-601	3+0	3	0	0	3	Major
2	Molecular cytogenetics for crop Improvement	GPB-603	2+0	2	0	0	2	Major
3	Plant genetic resources, Conservation and Utilization	GPB- 604	2+0	2	0	0	2	Major
4	Hybrid seed Production Technology	SST- 601	2+1	2	1	0	4	Minor
5	Library and Information Services	PGS- 501	0+1	0	1	0	2	Compulsory Non-Credit
6	Intellectual Property and Its Management	PGS- 503	0+1	0	1	0	2	Compulsory Non-Credit
7	Technical Writing and Communication Skill	PGS- 502	0+1	0	1	0	2	Compulsory Non-Credit
7	Total Credits					11+5		



Semester II

Sl. No.	Course Title	Subject Code	Credits	Course Distribution			Total work load	Nature
				L	P	S/R	Hrs./Week	
1	Advances in Biometrical Genetics	GPB- 602	2+1	2	1	0	4	Major
2	Genomics in Plant Breeding	GPB- 605	3+0	3	0	0	3	Major
3	Genetic Purity and DUS Testing	SST- 604	2+1	2	1	0	4	Minor
4	Techniques in Biochemistry	BIOCHEM- 505	2+2	2	2	0	6	Supporting
5	Data Analysis Using Statistical Packages	STAT- 522	2+1	2	1	0	4	Supporting
6	Doctoral Research	GPB- 699	0+5	0	5	0	05	Research
Т	Total Credits					9+9		

Semester III

1	Doctoral	GPB- 699	0+20	0	20	0	20	Research
	Research							
	Seminar- I	GPB- 691	1+0	1	0	0	1	Credit Seminar
Total Credits				•		1+20		

Semester IV

1	Doctoral Research	GPB- 699	0+15	0	15	0	15	Research
2	Seminar- II	GPB- 692	1+0	1	0	0	1	Credit Seminar
Total Credits						1+15		

Semester V

1	Doctoral	GPB- 699	0+20	0	15	0	20	Research
	Research							
Total Credits						0+20		



Semester VI

1	Doctoral	GPB- 699	0+14	0	14	0	14	Research
	Research							
2	Doctoral Thesis	GPB- 693	0+1	0	1	0	1	Doctoral Seminar
	Seminar							
T	Total Credits					0+15		

Note:

¹The above stated supporting courses are indicative however student may opt other course as per the Ph.D. dissertation work.

²Compulsory non-credit courses are only applicable for those students who have not completed in their respective Master's programme.