M.Sc.(Ag.) → Genetics & Plant Breeding

1st semester

S.No.	Course Name	Credit load	Course code
Major Course (Compulsory)			
1	Principles of Genetics	3(2+1)	GPB 501
2	Fundamentals of quantitative genetics	3(2+1)	GPB 503
3	Principles of cytogenetics	3(2+1)	GPB 505
Minor Courses			
4	*Soil fertility and fertilizer us	3 (2+1)	SOIL 502
Supporting courses			
5	Statistical Methods for Applied Sciences	4(3+1)	STAT 502
Common compulsory courses			
6	Library and information services	1 (0+1) NC	
7	Intellectual Property & its Management in Agriculture	1 (1+0) NC	
8	Basic concepts in laboratory technique	1 (0+1) NC	
	Total credit	**19**	
M.Sc.(Ag.) 2nd semester			
Major Course (Compulsory)			
1	Principles of Plant breeding	3(3+0)	GPB 502
2	Molecular Breeding and Bio-informatics	3(2+1)	GPB506
3	Hybrid Breeding	3(2+1)	GPB509
4	Varietal development and maintenance beeding	2(1+1)	GPB504
Minor Courses			
5	Seed Physiology	3(2+1)	PP 510
6	Techniques in detection and diagnosis of plant disease	2 (0+2)	Pl.Ptho. 506
Supporting courses			
7	Experimental design	3 (2+1)	STAT 511
Common compulsory courses			
8	Technical Writing & Communication Skill	NC(0+1)	
9	Agricultural research, Research ethics and Rural Development Programme	NC (1+0)	
	Total credit	**21**	

M.Sc.(Ag.) 3rd semester			
1	Seminar - I	1 (1+0)	GPB 591
2	Thesis / Research	15	GPB 599
	Total credit	**16**	
M.Sc.(Ag.) 4th semester			
1	Thesis / Research	15	GPB 599
	Total credit	**15**	
	Gr. Total	**71**	

***semester not communicated by concerned department**

Ph.D. → Genetics & Plant Breeding

1st semester

S.No.	Course Name	Credit load	Course code
Major Course (Compulsory)			
1	Advances in Plant Breeding system	3(3+0)	GPB 601
2	Genomics in Plant Breeding	3(3+0)	GPB 605
Minor Courses			
3	*Advances in crop growth and productiviy	3(2+1)	ARGON 604
Supporting courses			
4	Applied regression analysis	3(2+1)	STAT521
	Total credit	**12**	
Ph.D. 2nd semester			
Major Course (Compulsory)			
1	IPR and Regulatory Mechanism	1(1+0)	GPB 609
2	Advances in biometrical genetics	3(2+1)	GPB 602
3	Breeding Designer crops	2(1+1)	GPB608
Minor Courses			
4	Physiological and molecular aspects of source-sink capacity for enhancing yield	3(3+0)	PP 607
Supporting courses			
5	Data analysis using statistical packages	3(2+1)	STAT 522
	Total credit	**12**	
Ph.D. 3rd semester			
1	Seminar - I	1 (1+0)	GPB 691
2	Thesis / Research	20	GPB 699
	Total credit	**21**	
Ph.D. 4th semester			
1	Seminar - I	1 (1+0)	GPB 691
2	Thesis / Research	20	GPB 699
	Total credit	**21**	
Ph.D. 5th semester			
	Thesis / Research	20	GPB 699
	Total credit	**20**	
Ph.D. 6th semester			

	Thesis / Research	15	GPB 699
	Total credit	**15**	
	Gr. Total	**101**	

***semester not communicated by concerned department**