



Integral University, Lucknow
Integral Institute of Agricultural Science and Technology
Evaluation Scheme of Post graduate program
w.e.f. Session 2022-23
M. Sc. (Ag.) Genetics and Plant Breeding
Semester – I

Course Code	Course Title	Type of Course	Periods/ Per week			Evaluation Scheme Theory Mid Sem			Evaluation Scheme Practical Mid Sem			Practical End Sem Exam	Sub Total (Theory + Practical Mid Sem Exam)	End Sem Theory Exam	Subject Total	Credit	Total Credit Points	Attributes							United Nations sustainable development goals (SDGS)		
			L	T	P	CT	TA	Total	CT	TA	Total							Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics			
GPB 501	Principles of Genetics	Major	2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3			√					√		
GPB 502	Principles of Plant Breeding		2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3			√		√			√		
Total																	*										
*Major Course (Core course + Optional course) should not exceed more than 9 credit																											
MBB 517	Stress Biology and Genomics	Minor	2	0	0	20	10	30	-	-	-	-	30	70	100	2:0:0	2			√			√				
STAT 511	Experimental Designs	Supporting	2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3	√		√		√	√	√			
BIOCHEM 505	Techniques in Biochemistry		2	0	4	20	10	30	-	-	-	20	50	50	100	2:0:2	4	√	√	√							
MCA 512	Information Technology in Agriculture		1	0	2	20	10	30	-	-	-	20	50	50	100	1:0:1	2	√	√	√							
Total																	**										
PGS503 (e-Course)	Intellectual Property and Its Management in Agriculture	Common	1	0	0	20	10	30	-	-	-	-	30	70	100	1:0:0	1	√	√	√						√	
PGS504	Basic Concepts in Laboratory Techniques		0	0	2	0	0	0	-	25	25	75	25	-	100	0:0:1	1	√	√	√							
Grand Total																	***										

Grand Total (***) = *+**, credit should not exceed more than 22 credit in one semester



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Evaluation Scheme of Post graduate program
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M. Sc. (Ag.) Genetics and Plant Breeding
Semester – II

Course Code	Course Title	Type of Course	Periods/Per week			Evaluation Scheme Theory Mid Sem			Evaluation Scheme Practical Mid Sem			Practical End Sem Exam	Sub Total (Theory + Practical Mid Sem Exam)	End Sem Theory Exam	Subject Total	Credit	Total Credit Points	Attributes							United Nations sustainable development goals (SDGS)							
			L	T	P	C T	T A	Total	C T	T A	Total							Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics								
GPB 503	Fundamentals of Quantitative Genetics	Major	2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3	√	√	√		√										
GPB 506	Molecular Breeding and Bioinformatics		2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3	√	√	√		√										
Total																																
GPB 511	Crop Breeding-I (Kharif Crops)	Optional	2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3	√	√	√			√	√								
Total																	*															
*Major Course (Core course + Optional course) should not exceed more than 9 credit																																
MBB 504	Techniques in Molecular Biology I	Minor	0	0	6	0	0	-	-	-	-	25	75	0	100	0:0:3	3 [#]	√	√	√		√										
MBB 509	Plant Tissue culture		2	0	2	20	10	30	-	-	-	20	50	50	100	2:0:1	3 [#]	√	√	√		√										
Total																																
PGS502	Technical Writing and Communications Skills	Common	0	0	2	0	0	-	-	-	-	25	75	0	100	0:0:1	1	√		√				√	4							
PGS505 (e-Course)	Agricultural Research, Research Ethics and Rural Development Programmes		1	0	0	20	10	30	-	-	-	0	0	70	100	1:0:0	1	√		√			√	√	4							
GPB 591	Master's Seminar		-	-	-	-	-	-	-	-	-	-	-	-	100	0:0:1	1			√					4							
GPB 599	Master's Research		-	-	-	-	-	-	-	-	-	-	-	-	S/US	0:0:5	5 [§]	√		√			√	√	4							
Grand Total																																

Grand Total (***) = *+**, credit should not exceed more than 22 credit in one semester; *Student can opt any one subject from Minor; [§]Master's Research credit to be counted in Final Semester examinations; S/US=Satisfactory/Unsatisfactory

