Plant Breeding Courses

* Courses below in BOLD are required courses

Call Number	Course Name	MS	PhD	Instructor	Credits	Fall 2013	Sp 2014	Su 2014	Fall 2014	Sp 2015	Su 2015	Fall 2015	Sp 2016	Su 2016	Fall 2016	Sp 2017	Su 2017	Fall 2017	Sp 2018	Su 2018	Fall 2018
PBGG (CRSS) (HORT) 6140/4140	**Plant Breeding**	X		**McGregor**	3	X			X			X			X			X			X
PBGG (CRSS) (HORT) 8140	**Advanced Plant Breeding**		X	**Ali Missaoui**	3	X				X								X			
PBGG (CRSS) (HORT) 8860	**PBGG Communications Seminar**		X	**Wayne Parrott**	1		X			X			X			X			X		X
PBGG (CRSS) 6000	**Plant Breeding Practicum**	X	X	**Brian Schwartz**	3			X			X			X			X			X	
PBGG (CRSS) (HORT) 8861	**PBGG Research Seminar**	X	X	**Wayne Parrott**	1		X			X			X			X			X		X
PBGG (CRSS) (HORT) 8870	Translational Genomics		X	Dayton Wilde	3					X						X					
PBGG (CRSS) (HORT) (PBIO) 8871	Genome Analysis & Comparative Genomics		X	Katrien Devos	1		X						X						X		
PBGG (CRSS) (HORT) (PBIO) 8872	QTL Mapping & Discovery		X	Peng Chee	1		X						X							X	
PBGG (CRSS) (HORT) 8873	Transgenic Breeding		X	Parrott & Wilde	1		X						X						X		
PBGG (CRSS) (HORT) 8874	Genomic Selection		X	Jason Wallace	1											X					
PBGG (CRSS) (HORT) 8875	Genome-Wide Association in Plants		X	Jason Wallace	1											X					
PBGG (CRSS) 8880	Quantitative Aspects of Plant Breeding		X	Zenglu Li	3		X						X						X		
PBGG (CRSS) 8890-8890L	Plant Cytogenetics: Behavior & Evolution of the Plant Genome	X	X	Wayne Parrott	3	X					X					X					
PBGG (CRSS) (HORT) 8900	Emerging Topics in PBGG			Variable	1-3																
PBGG (HORT) 8102	Breeding Ornamental Plants	X	X	John Ruter	1								X						X		
PBGG 9990	Supervised Teaching Practicum in PBGG		X	Variable	1-3	X	X		X	X			X								

Suggested Electives

Course descriptions can be found in [UGA Bulletin](#)

Call Number	Course Name	MS	PhD
ALDR 7200	Foundations of Agricultural Leadership	X	X
ALDR 7350	Group, Team, and Organizational Development in Agricultural Organization	X	X
BCMB 6000	General Biochemistry and Molecular Biology	X	
BCMB 6010	Biochemistry and Molecular Biology I	X	
BCMB 6020	Biochemistry and Molecular Biology II	X	
BCMB (ENTO) (BTEC) 4200/ 6200	Biotechnology	X	
BCMB 8010	Advanced Biochemistry and Molecular Biology I		X
BINF 6003	Introduction to Computer Programming for Biologists	X	X
BINF(BCMB) 4005/6005	Essential Computing Skills for Biologists	X	X
BINF 8950	Systems Biology		X
CRSS 7990	Supervised Teaching Practicum in Crop and Soil Sciences	X	X
CRSS 8010	Research Methods		X
EDHI 9010	Academic Programs in Higher Education	X	X
ENTO (CRSS) (PATH) 6250-6250L	Pesticides and Transgenic Crops	X	
ENTO (CRSS) (PATH) 6740-6740L	Integrated Pest Management	X	
FANR 6750	Experimental Methods in Forestry and Natural Resources Research	X	
FANR (BINF) (GENE) 8140	Functional Genomics		X

Call Number	Course Name	MS	PhD
GENE 4200/6200	Advanced Genetics	X	
GENE 8650	Responsible Science		X
GENE 8920	Nucleic Acids		X
GENE 8930	Advanced Molecular Genetics		X
GENE 8940	Genome Analysis		X
GRSC 8550	Responsible Conduct in Research	X	X
HORT 8104	Advanced Plant Physiology		X
HORT 8150	Growth and Development of Horticultural Crops		X
HORT (ECOL) (PBGG) 8390	Conservation of Plant Genetic Resources	X	X
PATH 6280-6280L	Diagnosis and Management of Plant Diseases	X	X
PATH 6910	Genetics of Host Plant Resistance to Disease		X
PBIO (CRSS) 4500/6500	Introduction to Gene Technology	X	X
PBIO (BIOL) 6550	Bioinformatics Applications	X	X
PBIO (PBGG) 8020	Essential Skills for Graduate Students and Post-Docs		X
PBIO 8100	Plant Genetics		X
PBIO 8820	Plant Genetics and Molecular Biology Seminar	X	X
PBIO 8930	Science Writing for General Audiences	X	X
STAT 6210	Statistical Methods I	X	
STAT 6220	Statistical Methods II	X	
STAT 6230	Applied Regression Analysis	X	
STAT 6315	Statistical Methods for Researchers	X	
STAT 4360/6360	Statistical Software Programming		X
STAT 6630	Statistical Methods in Bioinformatics I	X	
STAT 6640	Statistical Methods in Bioinformatics II	X	X
STAT 8090	Statistical Analysis of Genetic Data		X
STAT 8200	Design of Experiments for Research Workers		X