

Plant Breeding Courses

* Courses below in BOLD are required courses

Call Number	Course Name	MS	PhD	Crriculum On Website	Instructor	Credits	Fall 2008	Spring 2009	Summer 2009	Fall 2009	Spring 2010	Summer 2010	Fall 2010	Spring 2011	Summer 2011	Fall 2011	Spring 2012	Summer 2012	Fall 2012	Spring 2013	Summer 2013	Fall 2013
CRSS (HORT) 6140	Plant Breeding	X		MS	McGregor	3	X			X			X			X			X			X
CRSS (HORT) 8140	Advanced Plant Breeding		X	PhD	Charlie Brummer	3	X						X						X			
CRSS (HORT) 8860	PBGG Communications Seminar	X		MS, PhD		1		X		X			X				X			X		
CRSS 6000	Plant Breeding Practicum	X	X	PhD	Paul Raymer	3			X		X				X			X			X	
CRSS 7990	Supervised Teaching Practicum in Crop and Soil Sciences	X	X	MS, PhD		1-3	X	X		X	X		X	X		X	X		X	X		X
CRSS 8861	PBGG Research Seminar			MS, PhD	Wayne Parrott	1		X		X			X			X				X		X
CRSS 8870	Translational Genomics		X	PhD	Dayton Wilde	3		X					X								X	
CRSS 8871	Genome Analysis & Comparative Genomics		X	PhD	Katrine Davos	1					X						X					
CRSS 8872	QTL Mapping & Discovery		X	PhD	Peng Chee	1					X						X					
CRSS 8873	Transgenic Breeding		X	PhD	Parrott or Wilde	1					X						X					
CRSS 8880	Quantitative Aspects of Plant Breeding		X	PhD	Roger Boerma	3					X						X					
CRSS 8890-8890L	Plant Cytogenetics: Behavior & Evolution of the Plant Genome	X	X	MS, PhD	Wayne Parrott	3					X					X						X
CRSS 8900	Emerging Topics in PBGG					1-3	Not	Offered	On	Regular	Basis											
HORT 8102	Breeding Ornamental Plants	X	X	MS, PhD	Carol Robacker	1					X					X						X

Suggested Electives

*The schedule of courses below may have changed. Please check with home department

Call Number	Course Name	MS	PhD	Crriculum On Website	Instructor	Credits	Fall 2008	Spring 2009	Summer 2009	Fall 2009	Spring 2010	Summer 2010	Fall 2010	Spring 2011	Summer 2011	Fall 2011	Spring 2012	Summer 2012	Fall 2012	Spring 2013	Summer 2013	Fall 2013
(BETC) BCMB (ENTO) 6200	Biotechnology	X		MS		3		X			X			X			X				X	
CRSS (BIOL) PBIO 6500	Introduction to Gene Technology			MS		3	Offered	Every	Year													
CRSS ENTO (PATH) 6250-6250L	Pesticides and Transgenic Crops	X		MS		3		X			X			X			X				X	
ALDR 7200	Foundations of Agricultural Leadership	X	X	MS, PhD		3	Schedule	Not	Listed													
ALDR 7350	Group, Team, and Organizational Development in Agricultural Organization	X	X	MS, PhD		3	Schedule	Not	Listed													
BCMB 6000	General Biochemistry and Molecular Biology	X		MS		3	X			X		X			X				X			X
BCMB 6010	Biochemistry and Molecular Biology I	X		MS		4	X			X		X			X				X			X
BCMB 6020	Biochemistry and Molecular Biology II	X		MS		3		X		X		X		X		X			X			X
BCMB 8010	Advanced Biochemistry and Molecular Biology I		X	PhD		4	X			X		X			X				X			X
BCMB 8140	Advanced Topics in Genomics and Bioinformatics		X	PhD		3	X			X		X			X				X			X
EDHI 9010	Academic Programs in Higher Education	X	X	MS, PhD		3	Offered	Every	Year													
ENTO (CRSS) (PATH) 6740-6740L	Integrated Pest Management	X		MS		3		X			X		X			X				X		
GENE 6200	Advanced Genetics	X		MS		3	X			X			X			X			X			X
GENE 8650	Responsible Science		X	PhD		1	Offered	Every	Year							X			X			X
GENE 8920	Nucleic Acids	X		PhD		3	X		X		X		X		X				X			X
GENE 8930	Advanced Molecular Genetics	X		PhD		3		X		X		X		X		X		X		X		X
GENE 8940	Genome Analysis	X		PhD		2		X		X		X		X		X		X		X		X
HORT 8150	Growth and Development of Horticultural Crops	X		PhD		3				X						X						X
PATH 6280-6280L	Diagnosis and Management of Plant Diseases	X	X	MS, PhD		4	X			X		X			X				X			X
PATH 6910	Genetics of Host Plant Resistance to Disease		X	PhD	Shavannor	3		X					X								X	
PBIO (BIOL) 6550	Bioinformatics Applications	X	X	MS, PhD		3		X			X			X			X				X	
PBIO 6720-6720L	Plant Variation & Evolution	X	X	MS, PhD	Jim Hamrick	4	X					X							X			
PBIO 8100	Plant Genetics		X	PhD	Kelly Dewe & Sue Wessier	4	X			X		X				X			X			X
PBIO 8820	Plant Genetics and Molecular Biology Seminar	X	X	MS, PhD		1-2	Not	Offered	On	Regular	Basis											
PBIO 8930	Science writing for General Audiences	X	X	MS, PhD		3											X					
STAT 6210	Statistical Methods I	X		MS		3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STAT 6220	Statistical Methods II	X		MS		3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STAT 6230	Applied Regression Analysis	X		MS		3		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STAT 6630	Statistical Methods in Bioinformatics I	X		MS		3	X			X		X				X			X			X
STAT 6640	Statistical Methods in Bioinformatics II	X	X	MS, PhD		3		X			X		X			X			X			X
STAT 8090	Statistical Analysis of Genetic Data		X	PhD		3		X					X									X
STAT 8200	Design of Experiments for research Workers		X	PhD		3	X	X		X	X		X	X		X	X		X	X		X