

Appendix 4 – Advising Sheet

HCS PHD Course Program 2023/2024

Department of Horticulture and Crop Science

Date Program approved by SAC: _____

Date Received by HCS GSC: _____

Student: _____ Advisor: _____

Inst. & Major of BS: _____

Inst. & Major of MS: _____

Student Advisory Committee: _____

Use this form in combination with the PhD degree description

COURSE	TITLE	CREDIT	Term	Completion by Student:		
				Year	Grade	TOTAL
TAKE ONE CLASS IN 2 OF THE 3 FOCUS AREAS:						
FOCUS 1 - PLANT BIOCHEMISTRY/PHYSIOLOGY/METABOLOMICS (select one course)						
HCS 5621	Physiology of Cultivated Plants – (Prereq-grad standing)	3	AU			
HCS 5622	Biochemical Processes in Cultivated Plants – (Prereq-grad standing)		SP			
HCS 7821	Environmental Physiology of Managed Plant Systems - (Prereq HCS 5621)		SP odd			
Petition:						
FOCUS 2 - PLANT GENETICS/BIOTECHNOLOGY/BREEDING (select one course)						
HCS 5325	Plant Genetics – (Prereq-grad standing)	2-3	AU			
HCS 5625	Applied Plant Biotechnology – (Prereq HCS 4325 or 5325)		AU			
HCS 5825	Plant Breeding – (Prereq HCS 4325 or 5325)		AU			
HCS 8825	Advanced Plant Breeding – (Prereq HCS 7625 or Perm. of Inst.)		AU '24			
Petition						
FOCUS 3 – PLANT SYSTEMS/PRODUCTION/ECOLOGY (select one course)						
HCS 5100	Advanced Cropping Systems – (Prereq-grad standing)	2-3	SP			
HCS 5200	Advanced Horticultural Principles and Practices – (Prereq-grad standing)		AU			
HCS 5306	Sustain. Veg. Prod. Pract.: Planning, Growing and Marketing – (Prereq-Perm. of instructor)		SP			
HCS 5411	Grain, Oilseed, and Fiber Crops –(Prereq-Perm. of instructor)		SP			
HCS 5412	Agroecology of Grasslands and Prairies –(Prereq-grad standing)		SP			
HCS 5420	Environmental Impacts of Crop-Livestock Systems –(Prereq-grad standing)		SP			
HCS 5422	Principles of Weed Ecology and Management – (Prereq-grad standing)		AU			
HCS 5450	Vegetable Crop Production and Physiology – (Prereq-grad standing)		AU			
HCS 5460	Fruit Crop Physiology and Production – (Prereq-grad standing)		AU			

HCS 5602	Ecology of Agriculture – (Prereq-grad standing)		SP			
HCS 5670	Golf Courses and the Environment – (Prereq-grad standing)		SP			
Petition:						
ADDITIONAL REQUIRED COURSES:						
EXPERIMENTAL DESIGN						
HCS 8887	Techniques of Experimental Design – (Prereq HCS 5887 or Perm. of instructor)	4	SP			
PROFESSIONAL DEVELOPMENT						
HCS 7001	Graduate Student Professional Development	1	AU/ SP			
SEMINAR (enroll twice)						
HCS 7890	Colloquium presentation	1	AU/ SP			
HCS 7890	2 nd enrollment (non-presenting)	1	AU/ SP			
CURRENT TOPICS (enroll twice)						
HCS 8830	Current Topics varies	1				
HCS/ Other	Current Topics varies	1				
ELECTIVES (minimum of 9 credits of HCS graduate courses) – see elective list suggestions						
HCS/ Other	Graduate Courses – NOT counting courses fulfilling above requirements	9				
	Total Required Course Hours (all courses listed above)	22-24				
RESEARCH HOURS						
HCS 8998	Pre-candidacy Research (1-18) – multiple terms/hrs.	Var.	AU/SP/ SU			
HCS 8999	Post-candidacy Research (1-18) – multiple terms/hrs.	Var.	AU/SP/ SU			
Coursework required by SAC (not listed above)						

HCS/other		Var.				
TOTAL GRADUATE HOURS COMPLETED (REQUIRED MINIMUM):		(80)				
Publication Submission to Peer-Reviewed Journal: _____ Date of submission: _____						