

AGR 6325L Plant Breeding Techniques
Spring Semester 2013

Course Coordinator: Dr. Kevin Kenworthy

Meeting time: Monday 6-7 (12:50-2:45), PSF 4 (Located near Fifield greenhouses)

Course Description: This course consists of a basic introduction to plant breeding methods and techniques used by crop and horticultural plant breeders in Florida. One introductory lecture will be given by Dr. Quesenberry on Monday January 10 (since the following Monday is a holiday, it is very important that you attend this first class meeting in order to set the stage for the balance of the class). The remainder of the course will be guest lectures by various plant breeders from throughout Florida presenting discussions of their breeding programs with emphasis on methods, selection objectives, pollination biology, and sources of funding. The course is intended to provide a broad overview of programs, and is suitable for students who do not intend to specialize in breeding as well as breeding students.

Attendance Policy: Since lectures will be the primary source of information for this course, missing lectures will impact the benefit students gain from this course. Attendance is strongly encouraged.

Grading Policy: Students will be required to submit written reports of six of the 13 lectures presented in the class, excluding the introductory lecture by Dr. Kenworthy/Quesenberry. These reports are expected to be typed, double spaced, a minimum of three pages, maximum of four. The report should highlight the discussion of the topic presented in lecture and **should include supplemental library references**. It should contain a critique of the methods discussed by the lecturer. At least three of these reports must cover lectures presented by the mid-point of the term (March 1), and no report will be accepted later than two weeks after a subject has been presented. The average grade on these six reports will count 90% of the class grade. The instructor will assign a grade for class participation representing the remaining 10% of the grade. All students are expected to participate in the discussion at the end of each presentation.

Academic Honesty

As a result of completing the registration form at the University of Florida, every student has signed the following statement: "I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University." I expect you to abide by this statement, and will follow University guidelines in dealing with any situations relevant to academic honesty.

Guest Presenters: A tentative list of guest presenters is attached, and a final schedule will be distributed at the second meeting of the class. Some of these presentations may be held at various location around the Gainesville campus (where materials are growing in the field or greenhouse). It is your responsibility to confirm at the previous meeting where the location of the next meeting will be.

PLANT BREEDING TECHNIQUES AGR 6325L

FINAL LECTURE SCHEDULE SPRING 2013

Date	Lecturer and Topic	
January	7	Drs. Kevin Kenworthy & K. H. Quesenberry, Agronomy Dept. - Class introduction and Basic Plant Breeding Review.
	14	Dr. Jake Henny, Mid Florida REC, Apopka- Ornamental Foliage Plant breeding
	21	M. L. King, Jr. Birthday (Holiday)
	28	Dr. Kevin Kenworthy, Agronomy Dept. - Turfgrass breeding
February	4	Dr. Ann Blount, North Florida REC, Marianna - Triticale & Bahiagrass breeding
	11	Dr. Barry Tillman, North Florida REC, Marianna - Peanut breeding
	18	Dr. Vance Whitaker, Gulf Coast REC, Wimauma - Strawberry breeding
	25	Dr. David Clark, Environmental Horticulture – Coleus breeding
March	4	Spring Break!
	11	Dr. Gary Peter – School of Forest Resources & Conservation – Pine tree breeding
	18	Dr. Fred Gmitter, Citrus REC, Lake Alfred - Citrus breeding
	25	Dr. Jim Olmstead, Horticulture Science Dept. - Blueberry breeding
April	1	Dr. Zhanao Deng, Gulf Coast REC, Wimauma - Caladium breeding
	8	Dr. Ana Saballos, Agronomy Dept. – Sorghum breeding
	15	Dr. Sam Hutton, Gulf Coast REC, Wimauma - Tomato breeding
	22	Dr. Jose Chaparro, Horticulture Science Dept. - <i>Prunus</i> breeding