

Distance Education & Life-Long Learning Program

www.agronomy.unl.edu/newprospective/distanced.html



Professional Development Opportunities in Plant Breeding at UNL

The Department of Agronomy and Horticulture at the University of Nebraska-Lincoln offers four plant breeding mini-courses that are excellent professional development opportunities for seed industry personnel, producers and other agribusiness professionals. The courses are available via distance delivery, so participants are able to further their educational and career goals without having to be present in a traditional classroom. Students have the option of participating in lectures in real time, as well as viewing archived lectures online. The courses are available for noncredit professional development, as well as regular academic credit at UNL*. Instructors are Dr. P. Stephen Baenziger, Eugene W. Price Distinguished Professor, and Dr. Thomas Hoegemeyer, Professor of Practice and former CEO of Hoegemeyer Hybrids.

The noncredit registration fee for each course is \$150. Special package pricing is available for multiple courses. For more information, please visit the above-listed Web site or contact Cathy Dickinson, cdickinson2@unl.edu. Credit card registrations can be made at: go.unl.edu/cropbreeding.

Online courses for Fall 2010 and Spring 2011 include:

SELF-POLLINATED CROP BREEDING: August 24 – September 23, 2010

Course covers the common breeding methods used to improve self-pollinated crops, such as wheat, rice and barley, and the theoretical basis for self-pollinated crop breeding.

GERMPLASM AND GENES: September 28 – November 2, 2010

Course focuses on the importance of creating the necessary genetic variation resources for conventional and modern plant breeding programs.

CROSS-POLLINATED CROP BREEDING: November 4 – December 9, 2010

Course emphasizes standard breeding methods and theories associated with population movement of cross-pollinated crops and self-pollinated crops that are forced to cross-pollinate.

ADVANCED PLANT BREEDING TOPICS: February 1 – March 3, 2011

Topic for 2011 is Doubled Haploidy. Course will focus on techniques for producing Doubled Haploids in several crops, advantages and uses of DHs in genetic analyses, impacts of DH on selection, breeding methods, and variety and hybrid development.



Professors P. Stephen Baenziger (L) and Thomas Hoegemeyer

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*These are graduate-level courses that assume basic familiarity with genetics.

