Master's Program in Plant Science Course Descriptions

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Course Descriptions

29-511. PLANT BREEDING.
An introduction to and application of plant breeding methodology and selection. Various methods utilized in plant breeding programs, and an understanding of heredity, hybridization and selection of various plant species will be discussed. Prerequisites: Agriculture 317 [1]. 3 credit hours.

29-531. CROP BIOCHEMISTRY, PHYSIOLOGY AND ECOLOGY.
An advanced study of the physiology and ecological factors affecting the productivity of crop plants and their response to environmental stress. Prerequisites: Agriculture 317 [1] and Biology 206 [1]. 3 credit hours.

29-541. PLANT ANATOMY AND MORPHOLOGY.
A study of the structure and function of major plant cells and tissues and the morphology of organs of vascular and nonvascular plants. Laboratories will focus upon comparisons among taxa and the characteristics of major plant groups. Prerequisite: Biology 101 and 102 [1] and Biology 206 [1]. 3 credit hours.

29-551. EXPERIMENTAL DESIGN.
A study of the use of advanced experimental designs in planning, analyzing and interpreting experimental data. Three one-hour class periods per week. Prerequisite: 3 credits in statistics/biometrics. 3 credit hours.

29-560. RESEARCH PROBLEM IN AREA OF SPECIALIZATION.
A special problems course designed to provide research training in the area of the students field of study and specifically related to the needs of their research program. 3 credit hours.

29-572. DEPARTMENT SEMINAR.
A seminar, meeting once per week with faculty and student presentations on their research and/or other relative scientific topics. 1 credit hour.

29-581. ADVANCED FORAGE AND MINOR CROP PRODUCTION AND UTILIZATION.

An advanced application of forage and minor crop production and utilization. The course will include visits to and analysis of various forage and minor crop operations in the Delmarva Area. Prerequisites: None. 3 credit hours.

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Links:
[1] http://www.desu.edu/javascript%3A%2520void%280%29%3B