PLANT PATHOLOGY (PLP)

PLP 404 (s) Special Topics
Credit arranged.

PLP 415 Plant Pathology
3 credits
Joint-listed with PLP 515
Biology of diseases and disorders of crop, forest, and ornamental plants, with emphasis on plant-microbe interactions and on disease cause, development, diagnosis, and control. Three 1-hour lectures. (Fall only)
Prereq: BIOL 154 and BIOL 155; or BIOL 250; and PLSC 102; or Permission.

PLP 416 Plant Pathology Lab
1 credit
Joint-listed with PLP 516
As a companion course to PLP 415/515 Plant Pathology, this laboratory course increases student knowledge about plant diseases caused by environmental factors and microorganisms. This laboratory course provides hands-on training in the identification and classification of representative plant diseases, including isolation and culturing techniques for plant pathogenic fungi, bacteria, nematodes and viruses.
Prereq: BIOL 154 and BIOL 155 or BIOL 250 and 255 and PLSC 102, or permission.
Coreq: PLP 415/515.

PLP 500 Master's Research and Thesis
Credit arranged.

PLP 501 (s) Seminar

PLP 502 (s) Directed Study

PLP 504 (s) Special Topic
Plp 504 (s) Special Topics (cr arr).

PLP 511 Viruses and Virus Diseases of Plants
4 credits
Nature of plant viruses, vector-virus relationships and virus diseases of plants. Includes laboratory section.
Prereq: BIOL 154 and BIOL 155 or BIOL 250 and 255 and PLSC 102 or permission.

PLP 515 Plant Pathology
3 credits
Joint-listed with PLP 415
Biology of diseases and disorders of crop, forest, and ornamental plants, with emphasis on plant-microbe interactions and on disease cause, development, diagnosis, and control. Three 1-hour lectures. (Fall only)
Prereq: BIOL 154 and BIOL 155; or BIOL 250; and PLSC 102; or Permission.

PLP 516 Plant Pathology Lab
1 credit
Joint-listed with PLP 416
As a companion course to PLP 415/515 Plant Pathology, this laboratory course increases student knowledge about plant diseases caused by environmental factors and microorganisms. This laboratory course provides hands-on training in the identification and classification of representative plant diseases, including isolation and culturing techniques for plant pathogenic fungi, bacteria, nematodes and viruses.
Prereq: BIOL 154 and BIOL 155 or BIOL 250 and 255 and PLSC 102, or permission.
Coreq: PLP 415/515.

PLP 522 Plant Bacteriology
3 credits
The purpose of this class is to provide current information on the biology of plant associated bacteria, including plant pathogens and beneficial microbes. Topics addressed will include bacterial morphology, taxonomy, genetics, and ecology. Diagnosis, disease management, and the molecular basis of host-pathogen interactions will be presented.
Prereq: PLP 415/ 515 and BIOL 154 and 155 or BIOL 250 and 255 or permission.

PLP 600 (s) Doctoral Research and Dissertation
Credit arranged.