PLANT PATHOLOGY (PLP)

PLP 404 (s) Special Topics (1-16 credits)
Credit arranged

PLP 411 Viruses and Virus Diseases of Plants (3 credits)
Joint-listed with: PLP 511 Nature of plant viruses, vector-virus relationships and virus diseases of plants
Additional assignments required for graduate credit. Typically Offered: Spring (Odd Years). Prereqs: EPPN and EPPN 155 or BIOL 250 and BIOL 255; and PLSC 102; or Permission. Cooperative: open to WSU degree-seeking students.

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).
Prereqs: EPPN 154 and EPPN 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.
Prereqs: EPPN 154 and EPPN 155 or BIOL 250 and 255; and PLSC 102; or Permission
Coreqs: PLP 415 or PLP 515

PLP 511 Viruses and Virus Diseases of Plants (3 credits)
Joint-listed with: PLP 411 Nature of plant viruses, vector-virus relationships and virus diseases of plants
Additional assignments required for graduate credit. Typically Offered: Spring (Odd Years). Prereqs: EPPN and EPPN 155 or BIOL 250 and BIOL 255; and PLSC 102; or Permission. Cooperative: open to WSU degree-seeking students.

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).
Prereqs: EPPN 154 and EPPN 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/PLP 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.
Prereqs: EPPN 154 and EPPN 155 or BIOL 250 and 255; and PLSC 102; or Permission
Coreqs: PLP 415 or PLP 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.
Prereqs: PLP 415 or PLP 515; and EPPN 154 and EPPN 155 or BIOL 250 and BIOL 255; or Permission

PLP 600 (s) Doctoral Research and Dissertation (1-45 credits)
Credit arranged