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: 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.
Prereq: EPPN 154 and EPPN 155 or BIOL 250 and 255 or PLSC 102 or Permission
Coreq: PLP 415 and PLP 515

PLP 417 Plant Pathology Lab
1 credit
Joint-listed with PLP 517
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: EPPN 154 and EPPN 155 or BIOL 250 and 255 or PLSC 102 or Permission
Coreq: PLP 415 and PLP 515

PLP 500 Master's Research and Thesis
Credit arranged

PLP 501 (s) Seminar
Credit arranged

PLP 502 (s) Directed Study

PLP 504 (s) Special Topic
Credit arranged

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. (Spring, alt/odd years)
Prereq: EPPN 154 and EPPN 155 or BIOL 250 and 255 or PLSC 102 or Permission.

PLP 512 Viruses and Virus Diseases of Plants Laboratory
1 credit
As a companion course to PLP 511 Viruses and Virus Diseases of Plants, this laboratory course increases student knowledge about plant diseases caused by viruses. This laboratory course provides hands-on training in the identification and classification of viruses that infect plants and cause plant disease. One 2-hour 20-minute lab per week. (Spring, alt/odd years)
Prereq: PLSC 102 or EPPN 154 and 155 or BIOL 250 and 255 or PLSC 102 or Permission
Coreq: PLP 511

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: 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.
Prereq: EPPN 154 and EPPN 155 or BIOL 250 and 255 or PLSC 102 or Permission
Coreq: 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.
Prereq: PLP 415 or PLP 515; or EPPN 154 and EPPN 155 or BIOL 250 or BIOL 255; or Permission

PLP 600 (s) Doctoral Research and Dissertation
Credit arranged