PLANT PATHOLOGY (PLPT)

PLPT 110 Molds and Man
Prerequisites: Non-science major.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 4 Science

PLPT 270 Biological Invaders
Crosslisted with: AGRO 270, HORT 270, NRES 270
Prerequisites: 3 hrs biological sciences.
Description: Impact of exotic species and invasive organisms: agricultural and medical emerging disease; predicting biological invasions; biological control; regulatory, monitoring, and control efforts; ecological impact.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

PLPT 369 Introductory Plant Pathology
Crosslisted with: BIOS 369
Prerequisites: BIOS 101 and 101L, or 109.
Description: Introduction to the study of plant diseases including relation of plant disease to crop production, environment, and man. Examples and demonstrations emphasize horticultural and agronomic crops of Nebraska.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

PLPT 369L Introductory Plant Pathology Lab
Prerequisites: Must enroll in both PLPT 369 (lecture) and PLPT 369L (lab)
Description: Optional lab for PLPT 369.
Credit Hours: 1
Max credits per semester: 1
Max credits per degree: 1
Format: LAB

PLPT 370 Biology of Fungi
Crosslisted with: AGRO 370, HORT 370
Prerequisites: 8 hrs biological sciences.
Description: Survey of fungi in natural and human ecosystems: symbiotic relationships; as disease agents in humans, animals, and plants; applications in food, agricultural, and pharmaceutical industries; historical and current impacts on society.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

PLPT 414 Turfgrass Disease Management
Crosslisted with: AGRO 414, AGRO 814, HORT 414, HORT 814, PLPT 814, TLMT 414, TLMT 814
Prerequisites: BIOS/PLPT 369 or one semester of introductory plant pathology.
Description: Pathogens, epidemiology, and control of diseases specific to turfgrass.
Credit Hours: 1
Max credits per semester: 1
Max credits per degree: 1
Format: LEC

PLPT 495 Internship in Plant Pathology
Prerequisites: Junior standing.
Description: Experience in a work place setting that is directly related to Plant Pathology.
Credit Hours: 1-3
Min credits per semester: 1
Max credits per semester: 3
Max credits per degree: 5
Format: IND

PLPT 496 Independent Study
Prerequisites: Advanced approval of the plan of study and permission.
Description: Research, literature review, extension of course work, or preparation of teaching materials.
Credit Hours: 1-5
Min credits per semester: 1
Max credits per semester: 5
Max credits per degree: 5
Format: IND

PLPT 498 Independent Research
Prerequisites: Permission.
Description: Independent research in areas of plant pathology.
Credit Hours: 1-3
Min credits per semester: 1
Max credits per semester: 3
Max credits per degree: 6
Format: IND

PLPT 499H Honors Thesis
Prerequisites: Admission to the University Honors Program and permission, AGRI 299H recommended.
Description: Conduct a scholarly research project and write a University Honors Program or undergraduate thesis.
Credit Hours: 3-6
Min credits per semester: 3
Max credits per semester: 6
Max credits per degree: 6
Format: IND