

University of Pretoria Yearbook 2016

Introduction to crop protection 251 (PLG 251)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	12.00
Programmes	BSc Biochemistry BSc Biological Sciences BSc Biotechnology BSc Ecology BSc Entomology BSc Genetics BSc Human Physiology BSc Microbiology BSc Plant Science BSc Zoology BScAgric Option: Applied Plant and Soil Sciences BScAgric Plant Pathology
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 1 practical per week
Language of tuition	Double Medium
Academic organisation	Microbiology and Plant Path
Period of presentation	Semester 1

Module content

Development and importance of crop protection. Basic principles in crop protection i.e. epidemic development of disease and insect pest populations, ecology of plant diseases and abiotic factors that affect plant health i.e. environmental pollution and pesticides, nutrient deficiencies and extreme environmental conditions. Ecological aspects of plant diseases, pest outbreaks and weed invasion. Important agricultural pests and weeds. Life cycles of typical disease causing organisms. Basic principles of integrated pest and disease management.

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