

# University of Pretoria Yearbook 2022

## Introduction to crop protection 251 (PLG 251)

**Qualification** Undergraduate

**Faculty** [Faculty of Natural and Agricultural Sciences](#)

**Module credits** 12.00

**NQF Level** 06

**Programmes** [BSc \(Meteorology\)](#)

[BSc \(Biotechnology\)](#)

[BSc \(Ecology\)](#)

[BSc \(Geography and Environmental Science\)](#)

[BSc \(Plant Science\)](#)

[BSc \(Zoology\)](#)

[BScAgric \(Applied Plant and Soil Sciences\)](#)

[BScAgric \(Plant Pathology\)](#)

**Prerequisites** No prerequisites.

**Contact time** 1 practical per week, 2 lectures per week

**Language of tuition** Module is presented in English

**Department** Department of Plant and Soil Sciences

**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, globally as well as in African context. Life cycles of typical disease causing organisms. Basic principles of integrated pest and disease management. The importance of crop protection in the context of sustainable development will be highlighted.

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