

# University of Pretoria Yearbook 2019

## Principles and practices 351 (HSC 351)

**Qualification** Undergraduate

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

**Module credits** 14.00

**Programmes** [BScAgric Agricultural Economics and Agribusiness Management](#)

[BScAgric Applied Plant and Soil Sciences](#)

[BScAgric Plant Pathology](#)

**Prerequisites** No prerequisites.

**Contact time** 2 lectures per week, fortnightly practicals

**Language of tuition** Separate classes for Afrikaans and English

**Department** Department of Plant and Soil Sciences

**Period of presentation** Semester 1

### Module content

The organised nursery industry in South Africa. Principles: seed production; seed germination; rooting of cuttings; budding and grafting; propagation using specialised organs; micro propagation (tissue culturing). Practices: Greenhouse construction, lighting in the nursery; cooling and heating; soil-based and soil-less growing media; container types; irrigation and fertilisation; growth manipulation; pest and disease management. Management, economic and marketing aspects of a typical nursery operation. Students will get hands-on experience and will visit nurseries.

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