

# University of Pretoria Yearbook 2017

## Introduction to plant biotechnology 718 (BOT 718)

**Qualification** Postgraduate

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

**Module credits** 10.00

**Programmes** [BScHons Medicinal Plant Science](#)

[BScHons Plant Science](#)

**Prerequisites** No prerequisites.

**Contact time** 1 practical per week, 1 lecture per week

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

**Academic organisation** Plant and Soil Sciences

**Period of presentation** Semester 1

### Module content

Plant genome: structure and composition of the plant genome (nuclear, mitochondrial and chloroplast); applications in plant biotechnology: plant tissue culture (microproagation, somatic embryogenesis and cell suspension cultures). Genetic manipulation and gene transfer technology (Agrobacterium-based and other) and DNA-marker technology.

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