

# 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 (micropropagation, somatic embryogenesis and cell suspension cultures). Genetic manipulation and gene transfer technology (Agrobacterium-based and other) and DNA-marker technology.

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.