

University of Pretoria Yearbook 2019

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
Department	Department of 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.

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