

University of Pretoria Yearbook 2020

Plant classification and phytogeography 742 (BOT 742)

Qualification	Postgraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	20.00
Programmes	BScHons Medicinal Plant Science BScHons Plant Science
Prerequisites	BOT 366
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 2

Module content

An overview of phylogenetics sets the scene, and sources of taxonomic information (morphology, anatomy, chemotaxonomy, cytogenetics, reproductive biology, palynology, ethnobotany and paleobotany) and how these data are used are discussed. This is followed by a section on the use of phylogenies as tools to understand ecological and geographical patterns and processes. Modern plant distribution patterns are assessed from the framework of the competing explanations of dispersalism and vicariance.

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