

University of Pretoria Yearbook 2018

Natural woodland and forests: Ecology and management 700 (BOT 700)

Qualification Postgraduate

Faculty Faculty of Natural and Agricultural Sciences

Module credits 15.00

Programmes BSocSciHons Geographical Sciences Geography and Environmental Science

BScHons Geography and Environmental Science

BScHons Geoinformatics

BScHons Meteorology

BScHons Plant Science

Prerequisites No prerequisites.

Language of tuition Module is presented in English

Department Department of Plant and Soil Sciences

Period of presentation Semester 2

Module content

Definitions of woodlands and forests and vegetation and forest resources in southern Africa; Classification of forest and woodland in southern Africa; Woodland dynamics including disturbance, recruitment, growth and mortality, recovery after disturbance; Ecosystem services (microclimate and nutrient cycling, carbon sequestration etc); Sustainable forest resource management (resource assessment, socio-economic assessment e.g. wood and non-forest products, participatory resource management processes); Forest health; Monitoring of resource-use impacts and adaptive management; Development of a framework for sustainable conservation and use of non-timber forest products; Climate change and resilience. Forest disease and pathology.

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