

# University of Pretoria Yearbook 2019

## 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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