

University of Pretoria Yearbook 2017

Trees in a multifunctional landscape 833 (ENV 833)

Qualification	Postgraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	15.00
Programmes	MSc Environmental Ecology (Coursework) MSc Forest Management and the Environment (Coursework)
Prerequisites	No prerequisites.
Contact time	5 discussion classes per week, 1 web-based period per week
Language of tuition	Module is presented in English
Academic organisation	Plant and Soil Sciences
Period of presentation	Quarter 3

Module content

Place and role of trees in multifunctional rural landscapes. Trees outside forests. Multipurpose trees. Trees and biodiversity. Trees and environmental services. Trees and sustainable development. Domesticated forests. Agroforestry (definition, classification, challenges and examples). Multiple use of forests and trees. Non-timber tree and forest products. Domestication of multipurpose trees. Forests and people. Trees and agricultural production systems (yield, interactions, synergy, competition, pests and diseases). Case-study examples from sub-Saharan Africa.

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