

University of Pretoria Yearbook 2020

Trees in a multifunctional landscape 833 (ENV 833)

Qualification	Postgraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	15.00
Programmes	MSc Environment and Society (Coursework) MSc Environmental Ecology (Coursework) MSc Environmental Management (Coursework) MSc Forest Management and the Environment (Coursework) MSc Water Resource Management (Coursework)
Prerequisites	No prerequisites.
Contact time	1 web-based period per week, 5 discussion classes per week
Language of tuition	Module is presented in English
Department	Department of 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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