

University of Pretoria Yearbook 2017

Silviculture 836 (FOR 836)

Qualification Postgraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module credits 15.00

Programmes [MSc Forest Management and the Environment \(Coursework\)](#)

Prerequisites No prerequisites.

Contact time 20 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 Semester 1

Module content

Understand the development of modern plantation forestry. Commercial plantation species. Forest pests and diseases. Forestry site classification. Basis of forestry rotation length (economics, biological, wood quality). Effect of silvicultural practices on wood quality (managing wood quality). Forestry management regimes for different species and end products. Pros and cons of plantation forestry on the environment. Fire management. Propagation techniques for forestry systems and bio-renewable resources, ecological basis of silviculture and fire management systems.

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