

University of Pretoria Yearbook 2016

Crop physiology 761 (APS 761)

Qualification	Postgraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	15.00
Programmes	BScHons Option: Crop Science
Prerequisites	No prerequisites.
Contact time	Fortnightly practicals, 2 lectures per week
Language of tuition	English
Academic organisation	Plant Production and Soil Sc
Period of presentation	Semester 2

Module content

An overview of photosynthesis and respiration, with the aim of examining the physiological basis of yield in cropping systems. This includes an assessment of parameters for determining plant growth, factors governing yield, partitioning of photoassimilates within plants and opportunities for increasing yield. Crop growth and yield will be put into context of a changing global climate. Evaluation of the manner in which plants respond to various abiotic stresses and how plants sense changing environments. The various roles of plant growth regulators in plants and the importance of these compounds in agriculture.

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