



University of Pretoria Yearbook 2017

Crop physiology 461 (APS 461)

Qualification Undergraduate

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

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.

Module credits 15.00

Programmes [BScAgric Applied Plant and Soil Sciences](#)

Prerequisites GKD 250 and BOT 356

Contact time 2 lectures per week, fortnightly practicals

Language of tuition Module is presented in English

Academic organisation Plant and Soil Sciences

Period of presentation Semester 2

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