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# University of Pretoria Yearbook 2019

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## Crop physiology 761 (APS 761)

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| <b>Qualification</b>          | Postgraduate   |
| <b>Faculty</b>                | <a href="#">Faculty of Natural and Agricultural Sciences</a> |
| <b>Module credits</b>         | 15.00  |
| <b>Programmes</b>             | <a href="#">BScAgricHons Crop Science</a>                    |
| <b>Prerequisites</b>          | No prerequisites.  |
| <b>Contact time</b>           | Fortnightly practicals, 2 lectures per week                  |
| <b>Language of tuition</b>    | Module is presented in English                               |
| <b>Department</b>             | Department of Plant and Soil Sciences                        |
| <b>Period of presentation</b> | 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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