

University of Pretoria Yearbook 2016

Plant physiology and biotechnology 261 (BOT 261)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BSc Biochemistry BSc Biological Sciences BSc Biotechnology BSc Chemistry BSc Ecology BSc Entomology BSc Environmental Sciences BSc Genetics BSc Geography BSc Geoinformatics BSc Human Physiology BSc Meteorology BSc Microbiology BSc Plant Science BSc Zoology BScAgric Animal Science: Pasture Science BScAgric Option: Applied Plant and Soil Sciences BScAgric Plant Pathology
Service modules	Faculty of Education
Prerequisites	BOT 161, CMY 117, CMY 127 or TDH
Contact time	2 lectures per week, 1 practical per week
Language of tuition	Both Afr and Eng
Academic organisation	Plant and Soil Sciences
Period of presentation	Semester 2

Module content

Nitrogen metabolism in plants; nitrogen fixation in Agriculture; plant secondary metabolism and natural products; photosynthesis and carbohydrate metabolism in plants; applications in solar energy; plant growth regulation and the Green Revolution; plant responses to the environment; developing drought tolerant and disease resistant plants.

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