



# University of Pretoria Yearbook 2017

## Plant physiology and biotechnology 261 (BOT 261)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	Faculty of Natural and Agricultural Sciences
<b>Module credits</b>	12.00
<b>Programmes</b>	BEd Senior Phase and Further Education and Training Teaching BSc Biochemistry BSc Biotechnology BSc Chemistry BSc Ecology BSc Entomology BSc Environmental Sciences BSc Genetics BSc Microbiology BSc Plant Science BSc Zoology BScAgric Animal and Pasture Science BScAgric Applied Plant and Soil Sciences BScAgric Plant Pathology
<b>Service modules</b>	Faculty of Education
<b>Prerequisites</b>	BOT 161, CMY 117, CMY 127 or TDH
<b>Contact time</b>	2 lectures per week, 1 practical per week
<b>Language of tuition</b>	Separate classes for Afrikaans and English
<b>Academic organisation</b>	Plant and Soil Sciences
<b>Period of presentation</b>	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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