

# University of Pretoria Yearbook 2018

## Mycology 261 (MBY 261)

**Qualification** Undergraduate

**Faculty** Faculty of Natural and Agricultural Sciences

**Module credits** 12.00

**Programmes** BSc Information and Knowledge Systems

BSc Biochemistry

BSc Biotechnology

BSc Chemistry

BSc Ecology

BSc Entomology

BSc Food Science

BSc Genetics

BSc Human Genetics

BSc Human Physiology

BSc Medical Sciences

BSc Microbiology

BSc Plant Science

BSc Zoology

BScAgric Plant Pathology

**Service modules** Faculty of Engineering, Built Environment and Information Technology

**Prerequisites** MBY 161

**Contact time** 1 practical per week, 2 lectures per week

**Language of tuition** Module is presented in English

**Department** Microbiology and Plant Pathology

**Period of presentation** Semester 2

### Module content

Organisation and molecular architecture of fungal thalli, chemistry of the fungal cell. Chemical and physiological requirements for growth and nutrient acquisition. Mating and meiosis; spore development; spore dormancy, dispersal and germination. Fungi as saprobes in soil, air, plant, aquatic and marine ecosystems; role of fungi as decomposers and in the deterioration of materials; fungi as predators and parasites; mycoses, mycetisms and mycotoxicoses; fungi as symbionts of plants, insects and animals. Applications of fungi in biotechnology.



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