



# University of Pretoria Yearbook 2018

## Carbohydrate metabolism 252 (BCM 252)

**Qualification** Undergraduate

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

**Module content** Biochemistry of carbohydrates. Thermodynamics and bioenergetics. Glycolysis, citric acid cycle and electron transport. Glycogen metabolism, pentose-phosphate pathway, gluconeogenesis and photosynthesis. Practical training in study and analysis of metabolic pathways and enzymes. Scientific method and design: Hypothesis design and testing, method design and scientific controls.

**Module credits** 12.00

**Programmes**

[BDietetics](#)

[BSc Biochemistry](#)

[BSc Biotechnology](#)

[BSc Chemistry](#)

[BSc Culinary Science](#)

[BSc Ecology](#)

[BSc Entomology](#)

[BSc Food Science](#)

[BSc Genetics](#)

[BSc Human Genetics](#)

[BSc Human Physiology](#)

[BSc Human Physiology, Genetics and Psychology](#)

[BSc Medical Sciences](#)

[BSc Microbiology](#)

[BSc Nutrition](#)

[BSc Plant Science](#)

[BSc Zoology](#)

[BScAgric Animal Science](#)

**Service modules** Faculty of Education

Faculty of Health Sciences

**Prerequisites** CMY 117 GS and CMY 127 GS and MLB 111 GS

**Contact time** 2 lectures per week, 90 minute practical per week



**Language of tuition** Afrikaans and English are used in one class

**Department** Biochemistry

**Period of presentation** Semester 1

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