

# University of Pretoria Yearbook 2019

## Environmental physiology 704 (ZEN 704)

**Qualification** Postgraduate

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

**Module credits** 13.00

**Programmes** [BScHons Entomology](#)

[BScHons Zoology](#)

**Prerequisites** No prerequisites.

**Contact time** 4 discussion classes per week

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

**Department** Zoology and Entomology

**Period of presentation** Semester 1

### Module content

Photoperiodism and chronobiology – the ability of animals to measure daylength, the concept of circadian rhythm and the nature of the clock which drives such processes. Water availability and temperature – physiological responses of animals to changing water availability and temperature in the context of global climate change. Regulation of reproduction – physiological mechanisms which couple reproduction to external and internal environmental factors.

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