

Courses developed / designed

I have been privileged to be part of the development of the following courses:

- (i) Philosophy of science and evolutionary theory (PoSET) seminar series for BSc Hons students, (2018-).
- (ii) Committee member for development of annual “Precision Medicine in Africa” course (2017-2018).
- (iii) Co-ordinator for a MMED (Master of Medicine in Pathology) part 1 (basic science) course (2012-2014).
- (iv) Molecular Evolution and Phylogenetics component of the National Bioinformatics Network Diploma, hosted by the University of the Western Cape. Wits representative for this entire Diploma which was open to 3rd year science students up to PhD level (2012-2016).
- (v) Stress adaptation in algal and plant cells (2018). BSc 3rd year specialist module.
- (vi) Introduction to evolutionary theory (2017-2018) BSc 2nd year module.
- (vii) Specialist module on my own research to 3rd year and Hons science students (2017-)

Teaching experience (undergraduate and postgraduate)

- (i) Series of 12 seminars on evolutionary genomics and transcriptomics to year 2 MD and science students (2018). (25-35 students). 24 hours.
- (ii) 5 seminars in molecular pathology to year 5 students in pathology (2018) (>20 students). 15 hours.
- (iii) Philosophy of science and evolutionary theory, BSc honours (2017-) (10 students). 12 hours.
- (iv) General biology module to undergraduate medical and science students (2013-2015). 15 hours.
- (v) Molecular Evolution and Phylogenetics component of the National Bioinformatics Network Diploma, hosted by the University of the Western Cape (2012-2015). 30 hours.
- (vi) Stress adaptation in microalgae (2018-2019). BSc 3rd year specialist module (5-10 students). 8 hours lectures and 10 hours laboratory / field work.
- (vii) Introduction to evolutionary and ecological theory, BSc 2nd year (>30 students). 10 hours

In addition to teaching, I am on the postgraduate student committee at the ESI (Evolutionary Studies Institute, Wits University).

External examiner

- (i) Postgraduate external examiner to 3 PhD, 2 MMed, 1 MSc, 2 BSc Hons theses / dissertations.
- (ii) University of Pretoria 3rd year BSc Evolutionary and Phylogenetics module GTS 363 (2011-2013).
- (iii) University of Cape Town 3rd year BSc modules Evolutionary Genetics and Development MCB3023S and Evolutionary Biochemistry MCB3024S (2012-2013).
- (iv) University of KwaZulu-Natal 3rd year BSc module Phycology and Plant cell biology (2019).