



# University of Pretoria Yearbook 2017

## Genetic diversity and evolution 261 (GTS 261)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module content</b>	Chromosome structure and transposable elements. Mutation and DNA repair. Genomics and proteomics. Organelle genomes. Introduction to genetic analysis of populations: allele and genotypic frequencies, Hardy Weinberg Law, its extensions and implications for different mating systems. Introduction to quantitative and evolutionary genetics.
<b>Module credits</b>	12.00
<b>Programmes</b>	<a href="#">BSc Information and Knowledge Systems</a>
	<a href="#">BSc Biochemistry</a>
	<a href="#">BSc Biotechnology</a>
	<a href="#">BSc Chemistry</a>
	<a href="#">BSc Ecology</a>
	<a href="#">BSc Entomology</a>
	<a href="#">BSc Food Science</a>
	<a href="#">BSc Genetics</a>
	<a href="#">BSc Human Genetics</a>
	<a href="#">BSc Human Physiology</a>
	<a href="#">BSc Human Physiology, Genetics and Psychology</a>
	<a href="#">BSc Medical Sciences</a>
	<a href="#">BSc Microbiology</a>
	<a href="#">BSc Plant Science</a>
	<a href="#">BSc Zoology</a>
	<a href="#">BScAgric Animal and Pasture Science</a>
	<a href="#">BScAgric Animal Science</a>
	<a href="#">BScAgric Applied Plant and Soil Sciences</a>
	<a href="#">BScAgric Plant Pathology</a>
<b>Service modules</b>	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
<b>Prerequisites</b>	GTS 251 GS



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<b>Contact time</b>	2 lectures per week, fortnightly practicals
<b>Language of tuition</b>	Module is presented in English
<b>Academic organisation</b>	Genetics
<b>Period of presentation</b>	Semester 2

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