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# University of Pretoria Yearbook 2016

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## Science and world views 155 (FIL 155)

**Qualification** Undergraduate

**Faculty** [Faculty of Humanities](#)

**Module credits** 6.00

**Programmes** [BChD Dentistry](#)

[MBChB Medicine](#)

[BSc Extended programme - Biological and Agricultural Sciences](#)

[BSc Medical Sciences](#)

[BSc Physics](#)

**Service modules** Faculty of Health Sciences

Faculty of Natural and Agricultural Sciences

**Prerequisites** No prerequisites.

**Contact time** 1 lecture per week

**Language of tuition** English

**Academic organisation** Philosophy

**Period of presentation** Semester 1

### Module content

This is a broad introduction to the philosophy and history of science. Examples of themes and historical periods which are covered include: world views in ancient Greece; Socrates; Plato – the founder of Western thought; Aristotle – the foundation of a new tradition; Leonardo da Vinci; the foundation of modern science; the wonder years of the seventeenth century – the flourishing of the sciences and philosophy; the rising of mechanization; a drastic turn in man's vision – the rise of psychology; how the theory of relativity changed our view of the cosmos; quantum theory and its implications for the modern world view; the biological sciences and the secrets of life; the rise and role of psychology; the neuro-sciences; the place, role and benefit of philosophical thought in the sciences.

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