

# University of Pretoria Yearbook 2017

## Quantum mechanics (I) 713 (FSK 713)

**Qualification** Postgraduate

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

**Module credits** 15.00

**Programmes** [BScHons Medical Physics](#)

**Prerequisites** No prerequisites.

**Contact time** 4 lectures per week

**Language of tuition** Separate classes for Afrikaans and English

**Academic organisation** Physics

**Period of presentation** Semester 1

### Module content

Measurement process, General indefinite relations, Harmonic oscillator, symmetry, invariants and conservation laws, angular momentum, spin, perturbation theory, Schrödinger-Heisenberg and interaction pictures

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