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# University of Pretoria Yearbook 2019

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

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| <b>Qualification</b>          | Postgraduate   |
| <b>Faculty</b>                | <a href="#">Faculty of Natural and Agricultural Sciences</a> |
| <b>Module credits</b>         | 15.00  |
| <b>Programmes</b>             | <a href="#">BScHons Medical Physics</a>                      |
| <b>Prerequisites</b>          | No prerequisites.  |
| <b>Contact time</b>           | 4 lectures per week  |
| <b>Language of tuition</b>    | Module is presented in English                               |
| <b>Department</b>             | Physics  |
| <b>Period of presentation</b> | 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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