

# UCT Physics OpenContent - PHY2015S

---

This page contains links to the course material available as open content from the UCT Department of Physics course PHY2015S. The availability of these materials is part of UCT's [OpenContent](#) initiative.

## Course description

PHY2015S is the second-year second semester half course for science students in the MPSS programme. It is a mainstream physics course, and is also suitable for mathematicians, astronomers, chemists and computer scientists.

QUANTUM MECHANICS: The basic assumptions of quantum mechanics, solutions of Schrodinger's equation, properties of wave functions and operators, one-dimensional applications, angular momentum in quantum mechanics, three-dimensional applications, the hydrogen atom, approximate methods.

## Lecture Notes - Quantum Mechanics

- [Part 1](#)
- [Part 2](#)

## Tutorials - Quantum Mechanics

- [Quantum mechanics 1](#)
- [Quantum mechanics 2](#)
- [Quantum mechanics 3](#)
- [Quantum mechanics 4](#)
- [Quantum mechanics 5](#)
- [Quantum mechanics 6](#)
- [Quantum mechanics 7](#)

