

# University of Pretoria Yearbook 2020

## Physical chemistry B 717 (CMY 717)

**Qualification** Postgraduate

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

**Module credits** 10.00

**Programmes** [BScHons Chemistry](#)

**Prerequisites** No prerequisites.

**Contact time** 1 practical per week for 7 weeks, 6 lectures per week for 4 weeks

**Language of tuition** Module is presented in English

**Department** Chemistry

**Period of presentation** Semester 1 or Semester 2

### Module content

Chemical kinetics: rates of chemical reactions, equilibrium reactions, temperature dependence of reactions, complex reactions, reaction mechanisms and kinetics by thermal analysis. Statistical mechanics: Boltzmann distribution, partition functions, ensembles, thermodynamic functions, equilibria.

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.