



University of Pretoria Yearbook 2021

Physical chemistry B 717 (CMY 717)

Qualification Postgraduate

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

Module credits 10.00

NQF Level 08

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.

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