



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.

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