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# University of Pretoria Yearbook 2016

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## Physical chemistry B 717 (CMY 717)

<b>Qualification</b>	Postgraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	10.00
<b>Programmes</b>	<a href="#">BScHons Chemistry</a>
<b>Contact time</b>	1 practical per week for 7 weeks, 6 lectures per week for 4 weeks
<b>Language of tuition</b>	English
<b>Academic organisation</b>	Chemistry
<b>Period of presentation</b>	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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