

ChemC130-MCBC100A  
Part II Syllabus

<b>Date</b>	<b>Topic</b>	<b>Reading</b>	<b>Notes</b>
2/19	Groves Introduction Lecture		
2/22	Energy & the Boltzmann Distribution	Ch. 6	
2/24	Energy & the Boltzmann Distribution	Ch. 6	
2/26	Forces and Electrostatics	Ch. 6	
2/29	Entropy & Statistics	Ch. 7	
3/2	Exam I return and discussion		
3/4	Entropy & Statistics	Ch. 7	PS 4 due
3/7	Entropy & Energy	Ch. 7 & 8	
3/9	Entropy & Energy	Ch. 8	
3/11	Entropy & Energy	Ch. 8	PS 5 due
3/14	Free Energy	Ch. 9	
3/16	Free Energy	Ch. 9	PS 6 due
3/18	Midterm 3 Review		
<b>3/18</b>	<b>Midterm II 10 Evans 7 - 9 pm</b>		
<i>3/21 - 25 Spring Recess</i>			
3/28	Equilibrium & Chemical potential	Ch. 10	
3/30	Equilibrium & Chemical potential	Ch. 10	
4/1	Equilibrium & Chemical potential	Ch. 10	PS 7 due
4/4	Chemical potential & electrostatics	Ch. 11 (Section B)	
4/6	Molecular binding equilibrium	Ch. 12	
4/8	Molecular binding equilibrium	Ch. 12	PS 8 due
4/11	Molecular kinetics	Ch. 15	
4/13	Molecular kinetics	Ch. 15	
4/15	Molecular kinetics	Ch. 15	PS 9 due
4/18	Enzyme kinetics	Ch. 16	
4/20	Enzyme kinetics	Ch. 16	
4/22	Single molecule and stochastic kinetics		PS 10 due
4/25	Michaelis-Menten kinetics	Ch. 16	
4/27	Current topics in kinetics	Ch. 16	PS 11 due
4/29	Midterm 3 review and course evaluations		
<b>4/29</b>	<b>Midterm 3 10 Evans 9 - 10 pm</b>		

5/2 – 6 Reading week with GSI review sessions

**5/9 Final Exam 7 – 10 pm**